GROUND-WATER-QUALITY DATA FOR THE ATLANTIC COASTAL PLAIN: NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA AND NORTH CAROLINA

By LeRoy L. Knobel

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DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information
write to:

District Chief
U.S. Geological Survey
Room 409, Federal Building
402 East State Street
Trenton, New Jersey 08608

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ABSTRACT

The report is a compilation of chemical analyses of ground-water samples in the Atlantic Coastal Plain from North Carolina through New Jersey. It contains records of 3,615 chemical analyses of ground water selected from more than 15,000 analyses in WATSTORE. These analyses serve as the data base for interpreting the geochemistry of the northern Atlantic Coastal Plain aquifer system. Reported chemical data include common anions and cations, selected trace metals, and selected physical characteristics.

INTRODUCTION

The U.S. Geological Survey has begun a comprehensive study to define the geology, hydrology, and geochemistry of the northern Atlantic Coastal Plain aquifer system (Meisler, 1980). The study is part of a national program entitled "Regional Aquifer Systems Analysis (RASA)". The geochemical study area covers the Coastal Plains of New Jersey, Delaware, Maryland, Virginia and North Carolina (fig. 1). As part of this study, a data base of chemical analyses of ground water from the Coastal Plain aquifers has been compiled. Most of the data included in this report are analyses of ground-water samples collected over the past several years for local studies and data programs that were completed in cooperation with agencies of the individual States. The purpose of this report is to provide a published record of the chemical analyses that are being used to interpret the ground-water geochemistry of the aquifer system. The report contains selected statistical parameters for the ground-water-quality data.

Geographic and Geologic Setting

The Coastal Plain sediments form a wedge that thickens from a feather edge at the Fall Line to 8,000 ft (2,400 meters) along the coast of Maryland and 10,000 ft (3,000 meters) at Cape Hatteras in North Carolina. The beds dip gently seaward. The sediments are both marine and nonmarine in origin, and range in age from Jurassic(?) to Holocene. Both types of sediments consist largely of sand, silt, and clay, and are unconsolidated except for thin, discontinuous, cemented layers, the Oligocene-Eocene limestone in North Carolina and the more deeply buried sediments. The cementing agents include oxides and hydroxides of iron, carbonates of calcium and iron, silica, and clay minerals, among

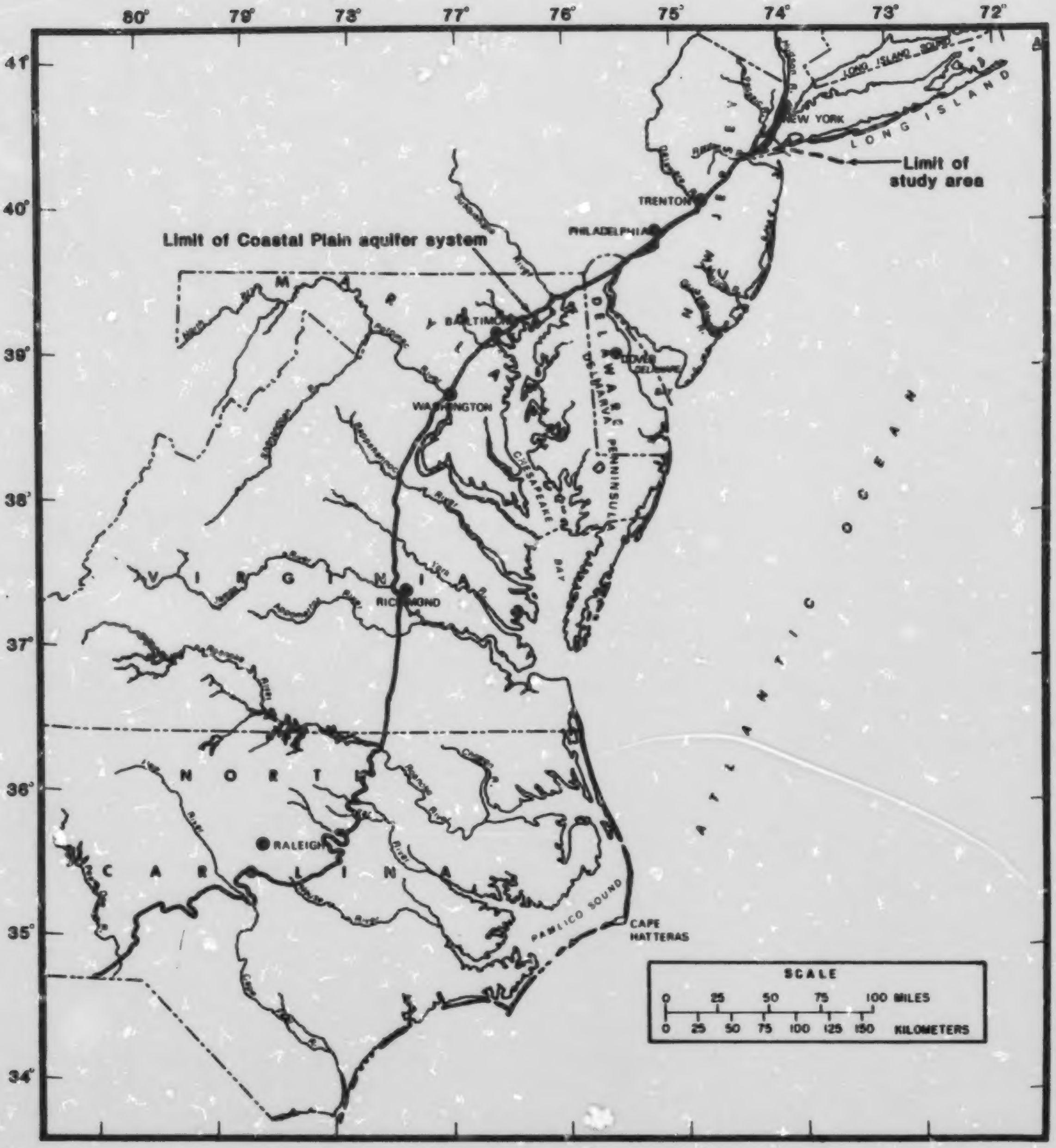
80°
79°
78°
77°
76°
75°
74°
73°
72°
41°
40°
39°
38°
37°
36°
35°
34°
NEW YORK
LONG ISLAND SOUND
LONG ISLAND
Limit of study area
TRENTON
PHILADELPHIA
Limit of Coastal Plain aquifer system
BALTIMORE
WASHINGTON
DOVER
DELAWARE
DELMARVA PENINSULA
CHESAPEAKE BAY
MARYLAND
NEW JERSEY
VIRGINIA
RICHMOND
NORTH CAROLINA
RALEIGH
PAMLICO SOUND
CAPE HATTERAS
ATLANTIC OCEAN
SCALE
0 25 50 75 100 MILES
0 25 50 75 100 125 150 KILOMETERS

Figure 1.--Location of study area in the Atlantic Coastal Plain (Modified after Leahy, 1982).

others. The marine sediments also include significant amounts of glauconite, shell material and calcareous clay.

Acknowledgments

The author acknowledges the assistance of Harry A. Farsett, U.S. Geological Survey, in designing the computer data base and in writing computer software for manipulating the data. Ronald W. Coble, Thomas V. Fusillo, John F. Harsh, Joseph J. Hochreiter, Jr., Stephen S. Howe, Larry G. Huffman, Michael J. Smigaj, Ira Star and Otto S. Zapecza of the U.S. Geological Survey assisted in the identification of the aquifers from which water samples were collected.

DESCRIPTION OF WATSTORE DATA BASE

Data presented in this report (tables 5-9) were retrieved from the National Water Data Storage and Retrieval System (WATSTORE). This system contains a computerized data base (Water-Quality File) for storing chemical data collected by Federal, State and local organizations (U.S. Geological Survey, 1975b). The data base is maintained by the U.S. Geological Survey at the National Center in Reston, Virginia and is accessible to the general public (U.S. Geological Survey, 1975a).

As part of this study, a retrieval of all chemical analyses in the project study area was undertaken in order to establish a project data base. The retrieval (March 1982) included thirty-nine WATSTORE Water-Quality File parameter codes and the header file. The header file contains data on latitude, longitude, state and county codes, date and time of sample collection, a geologic unit code, and, a local well identifier. Table 1 is a summary of the WATSTORE Water-Quality File parameter codes included in the retrieval of March 1982.

Table 1.--Summary of WATSTORE Water-Quality File parameter codes retrieved March 1982.

Parameter Code	Description[1]
00410	Alkalinity, field (mg/L as $CaCO_3$)
90410	Alkalinity, laboratory (mg/L as $CaCO_3$)
01106	Aluminum, dissolved (μg/L as aluminum)
01005	Barium, dissolved (μg/L as barium)
00440	Bicarbonate ion (mg/L as bicarbonate)
01020	Boron, dissolved (μg/L as boron)
71870	Bromide, dissolved (mg/L as bromide)
00915	Calcium, dissolved (mg/L as calcium)
00685	Carbon, inorganic, total (mg/L as carbon)
00445	Carbonate ion (mg/L as carbonate)
00940	Chloride, dissolved (mg/L as chloride)
71820	Density (gm/mL at 20°C)
72019	Depth below land surface to water level (feet)
72016	Depth to bottom of sample interval (feet below land surface datum)
72015	Depth to top of sample interval (feet below land surface datum)
70301	Dissolved solids (sum of constituents)
72000	Elevation of land surface datum (relative to NGVD)
00059	Flow rate, instantaneous (yield of well at time of sample in gpm)
00950	Fluoride, dissolved (mg/L as fluoride)
01046	Iron, dissolved (μg/L as iron)
01130	Lithium, dissolved (μg/L as lithium)
00925	Magnesium, dissolved (mg/L as magnesium)
01056	Manganese, dissolved (μg/L as manganese)
71846	Nitrogen, ammonia, dissolved (mg/L as ammonium)
00608	Nitrogen, ammonia, dissolved (mg/L as nitrogen)
71851	Nitrogen, nitrate, dissolved (mg/L as nitrate)
00618	Nitrogen, nitrate, dissolved (mg/L as nitrogen)
00631	Nitrogen, nitrite plus nitrate, dissolved (mg/L as nitrogen)
00400	pH (standard units[2])
00660	Phosphate, ortho, dissolved (mg/L as phosphate)

Table 1.--Summary of WATSTORE Water-Quality File parameter codes retrieved March 1982.--Continued

Parameter Code	Description[1]
71888	Phosphorus, dissolved (mg/L as phosphate)
00666	Phosphorus, dissolved (mg/L as phosphorus)
00935	Potassium, dissolved (mg/L as potassium)
00955	Silica, dissolved (mg/L as silica)
00930	Sodium, dissolved (mg/L as sodium)
00095	Specific conductance (microsiemens per centimeter at 25°C)
01080	Strontium, dissolved (μg/L as strontium)
00945	Sulfate, dissolved (mg/L as sulfate)
00010	Temperature, water (degrees celsius)

[1] Abbreviations: mg/L = milligrams per liter; μg/L = micrograms per liter (1 mg/L = 1,000 μg/L); gm/mL = grams per milliliter; gpm = gallons per minute.

[2] Negative base-10 logarithm of hydrogen ion activity in moles per liter.

DATA SELECTION AND ANALYSIS

One means of testing chemical analyses for analytical error is the cation-anion balance. If an analysis has no analytical error, the sum of the milliequivalents per liter of cations should be exactly equal to the sum of the milliequivalents per liter of anions. In practice, it is not feasible to achieve this level of accuracy; however, the nearness to this standard is a good means of testing the acceptability of an analysis. Hem (1970, p. 233-234) suggests that the difference between the sum of the cations and the sum of the anions should not exceed 1 or 2 percent of the total of cations plus anions for waters where the total is greater than 5 milliequivalents per liter. If the total is less than 5 milliequivalents per liter, the percentage level of acceptance should be doubled. This standard is based on the assumption that all chemical species present in a sample have been accurately determined in the analysis. Because this is rarely the case, the level of acceptance for chemical analyses used in the present study was set at the 5-percent and 10-percent levels depending upon whether the total of cations plus anions was greater than or less than 5 milliequivalents per liter. For the purposes of this report, this test is designated "the 5-percent test" for cation-anion balance. It should be noted that this test is only meaningful for complete analyses. Partial analyses, such as chloride determinations, would not pass this test but may still be analytically accurate. Analyses which are nearly complete (not containing some ions) may still pass this test and are included in this report.

The WATSTORE retrieval of March 1982 contained a total of 15,496 analyses, most of which are partials. A total of 3,615 passed the 5-percent test for cation-anion balance and were partitioned by State. Table 2 is a summary of these analyses. The 3,615 analyses passing this test are tabulated in tables 5, 6, 7, 8 and 9.

Selected statistical parameters were determined for the chemical data in tables 5-9. The minimum and maximum values, the median, the mean and the sample size are tabulated in table 2A for the study area as a whole, and by State.

Table 2.--Summary of analyses in the WATSTORE Water-Quality File meeting the 5-percent test for cation-anion balance by State.

State	Number of Analyses[1]	Number of Analyses Meeting Test
New Jersey	10,337	1,019
Delaware	202	102
Maryland	1,301	746
Virginia	997	825
North Carolina	2,659	923
Total	15,496	3,615

[1] The majority of these analyses are partial analyses such as chloride determinations and may be analytically accurate.

Table 2A.--Summary of selected statistical parameters for chemical data for the study area and by State[1].

Constituent or physical characteristic	Statistical parameter				
	Minimum	Maximum	Median	Mean	Sample size
		[NEW JERSEY]			
Calcium	0.2	2,200	15	22.2	1,010
Magnesium	.2	997	3.3	8.7	1,011
Sodium	.8	12,000	7.85	90.2	1,014
Potassium	.1	210	3.8	5.3	1,003
Alkalinity (as HCO_3^-)	1.0	1,930	78	89.9	989
Sulfate	.1	1,790	12	26.6	1,006
Chloride	.3	22,000	8.0	134.9	1,019
Silica	.2	71	9.4	11.1	1,015
Iron[2]	3.0	93,000	870	2,778.6	781
Aluminum[2]	6.0	48,000	200	3,295.6	37
Nitrate	.04	26	.50	1.88	663
Phosphate	.01	3.2	.15	.33	296
Fluoride	.1	6.2	.2	.4	616
pH[3]	3.2	9.4	7.1	6.9	1,000
Temperature[4]	5.5	42.7	14.5	15.3	824
TDS	10.0	38,800	129	360.4	1,011
Spec. Cond.	17.2	56,900	226	569.1	998
		[DELAWARE]			
Calcium	.5	440	18.5	26.3	102
Magnesium	.4	710	5.3	12.0	101
Sodium	1.9	5,500	18	119.6	95
Potassium	.8	80	3.3	5.8	93
Alkalinity (as HCO_3^-)	1.0	904	166	171.3	102
Sulfate	.4	1,300	6.3	28.6	97
Chloride	.5	9,500	5.7	129.6	101
Silica	.9	61	26	30.9	100
Iron[2]	10.0	30,000	1,435	5,680.8	24
Aluminum[2]	--	--	--	--	--
Nitrate	.05	22	.30	2.27	72
Phosphate	--	--	--	--	--
Fluoride	.1	1.9	.2	.3	82
pH[3]	4.4	8.9	7.55	7.3	100
Temperature[4]	10.5	21	15.5	15.6	57
TDS	27.0	17,700	203	470.6	91
Spec. Cond	38.0	23,000	282	657.0	95
		[MARYLAND]			
Calcium	.1	7,200	10.5	50.3	744

Table 2A.--Summary of selected statistical parameters for chemical data for the study area and by State[1]--Continued

Constituent or physical characteristic	Statistical parameter Minimum	Maximum	Median	Mean	Sample size
Magnesium	.1	510	3.5	9.6	736
Sodium	.9	21,000	25	167.9	731
Potassium	.1	120	6.0	7.6	728
Alkalinity (as HCO_3^-)	1.0	1,200	169	180.1	736
Sulfate	.1	1,000	9.5	21.4	738
Chloride	.1	42,000	2.95	253.4	746
Silica	3.1	71	16	23.2	745
Iron[2]	10.0	82,000	710	5,610.0	87
Aluminum[2]	10.0	4,200	100	343.8	39
Nitrate	.04	129	.20	1.18	574
Phosphate	.02	3.8	.10	.24	155
Fluoride	.1	5.6	.3	.5	670
pH[3]	3.9	9.0	7.8	7.5	715
Temperature[4]	4.5	52	16	16.5	457
TDS[5]	17.0	71,900	191	705.0	621
Spec. Cond.[6]	10.0	90,000	295	891.3	707
[VIRGINIA]					
Calcium	.1	2,940	5.95	25.7	814
Magnesium	.1	854	2.1	7.0	824
Sodium	2.1	12,800	90	209.0	822
Potassium	.4	124	8.2	10.3	781
Alkalinity (as HCO_3^-)	6.0	1,051	235	292.8	825
Sulfate	.2	1,050	10	29.7	825
Chloride	.3	26,900	10	201.8	824
Silica	.4	71	22	23.9	767
Iron[2]	10.0	8,000	30	167.7	200
Aluminum[2]	--	--	--	--	--
Nitrate	.04	28	.33	1.05	483
Phosphate	.01	13	.30	.66	487
Fluoride	.1	6.4	.7	1.4	745
pH[3]	5.1	9.5	7.9	7.78	714
Temperature[4]	9.0	26.5	18.5	18.3	308
TDS[5]	36.0	44,900	286	662.5	763
Spec. Cond.[6]	41.0	63,800	425	1,060.3	772
[NORTH CAROLINA]					
Calcium	.2	663	24	42.1	917
Magnesium	.1	534	4.9	19.8	917
Sodium	1.8	7,350	34	347.1	812
Potassium	.1	330	6.9	17.1	802

Table 2A.--Summary of selected statistical parameters for chemical data for the study area and by State[1]--Continued

Constituent or physical characteristic	Statistical parameter				
	Minimum	Maximum	Median	Mean	Sample size
Alkalinity (as HCO_3^-)	1.0	2,120	218	247.6	902
Sulfate	.1	1,230	4.6	31.4	896
Chloride	1.0	13,000	14	453.7	922
Silica	2.7	84	18	23.2	842
Iron[2]	10.0	37,000	295	2,821.5	20
Aluminum[2]	10.0	100	55	55.0	6
Nitrate	.01	31	.30	.83	619
Phosphate	.01	10	.36	.74	375
Fluoride	.1	7.0	.3	.6	715
pH[3]	3.4	8.9	7.5	7.34	887
Temperature[4]	10.0	26.5	18.5	18.3	472
TDS[5]	14.0	21,100	248	968.6	811
Spec. Cond.[6]	14.0	32,640	407	1,760.9	825
[NORTHERN ATLANTIC COASTAL PLAIN STUDY AREA]					
Calcium	0.1	7,200	14	34.0	3,587
Magnesium	.1	997	3.3	11.4	3,589
Sodium	.8	21,000	25	195.5	3,474
Potassium	.1	330	5.4	9.7	3,407
Alkalinity (as HCO_3^-)	1.0	2,120	166	198.0	3,554
Sulfate	.1	1,790	9.4	27.5	3,562
Chloride	.1	42,000	7.5	255.8	3,612
Silica	.2	84	15	20.0	3,469
Iron[2]	3.0	93,000	440	2,594.0	1,112
Aluminum[2]	6.0	48,000	100	1,654.6	82
Nitrate	.01	129	.30	1.29	2,411
Phosphate	.01	13	.20	.56	1,313
Fluoride	.1	7.0	.3	.7	2,828
pH[3]	3.2	9.5	7.6	7.32	3,416
Temperature[4]	4.5	52	16.1	16.7	2,118
TDS[5]	10.0	71,900	200	647.9	3,297
Spec. Cond.[6]	10.0	90,000	309	1,039.7	3,397

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[1] Concentrations in milligrams per liter unless otherwise indicated.

[2] Micrograms per liter. One milligram equals 1,000 micrograms.

[3] Negative base-10 logarithm of hydrogen ion activity in moles per liter.

[4] Degrees Celsius.

[5] Total dissolved solids, sum of constituents.

[6] Microsiemens per centimeter at 25°C.

SAMPLE-SITE LOCATIONS

Because of the density of sample locations, all of the sites cannot be plotted on a sample-location map. However, a gridded rectangle of latitude and longitude was superposed upon a map of the northern Atlantic Coastal Plain (plate 1) so that the reader can locate the sampling site for a chemical analysis by using the latitude and longitude listed in tables 5-9. The grid spacing represents increments of latitude and longitude of one tenth of one degree.

The approximate location of a sample can be determined from plate 1. For example, well number MD24 3 in table 6 has a latitude of 38.8908 and a longitude of 75.5308. The well location can be estimated by locating latitudes 38.8 and 38.9 degrees and interpolating (see plate 1). The longitude can be estimated in a similar manner by interpolating between 75.5 and 75.6 degrees. This technique can be applied to any analysis in tables 5-9.

DESCRIPTION OF TABLES

The results of all chemical analyses of ground-water samples meeting the test for cation-anion balance from the Coastal-Plain segments of New Jersey, Delaware, Maryland, Virginia and North Carolina are tabulated in tables 5, 6, 7, 8 and 9, respectively. In addition, the following information is included on these tables.

Latitude and longitude.--Tables 5-9 contain latitudes and longitudes, in decimal form, for each sample site. The latitudes and longitudes are north and west, respectively.

County and independent city codes.--The codes in tables 5-9 are three digit codes taken from the WATSTORE data base. The codes, the counties and independent cities they represent and the number of analyses for each are tabulated in table 3 by State.

Geologic Unit Codes.--Chemical analyses in WATSTORE are assigned Geologic Unit Codes according to U.S. Geological Survey policy. In the case of water-quality data, these codes represent aquifer names (U.S. Geological Survey, 1975b). The selection of which code to use when entering data into the WATSTORE data base is interpretive and depends on the experience of the individual assigning the code. Hence inconsistencies have developed in the data base.

Table 3.--Summary of codes, names and number of analyses by county, independent city and State.

Code	Name	Number of Analyses
	[NEW JERSEY]	
	County	
001	Atlantic	42
005	Burlington	193
007	Camden	284
009	Cape May	21
011	Cumberland	23
015	Gloucester	169
021	Mercer	4
023	Middlesex	24
025	Monmouth	48
029	Ocean	96
033	Salem	115
	[DELAWARE]	
	County	
001	Kent	51
003	New Castle	19
005	Sussex	32
	[MARYLAND]	
	County	
003	Anne Arundel	82
005	Baltimore	5
009	Calvert	79
011	Caroline	12
015	Cecil	6
017	Charles	133
019	Dorchester	35
029	Kent	13
033	Prince Georges	70
035	Queen Annes	21
037	St. Marys	156
039	Somerset	20
041	Talbot	41
045	Wicomico	24
047	Worcester	41
	Independent City	
510	Baltimore City	8

Table 3.--Summary of codes, names and number of analyses by county, independent city and State--Continued

Code	Name	Number of Analyses
	[VIRGINIA]	
	County	
001	Accomack	64
033	Caroline	1
036	Charles City	49
041	Chesterfield	3
057	Essex	5
073	Gloucester	28
081	Greensville	2
085	Hanover	38
087	Henrico	29
095	James City	110
097	King and Queen	10
099	King George	1
101	King William	45
103	Lancaster	14
115	Mathews	5
119	Middlesex	12
123	Nansemond	11
127	New Kent	29
131	Northampton	27
133	Northumberland	15
149	Prince George	18
153	Prince William	10
159	Richmond	14
175	Southampton	23
179	Stafford	1
181	Surry	43
183	Sussex	26
193	Westmoreland	18
199	York	17
	Independent City	
510	Alexandria	2
550	Chesapeake	16
620	Franklin	3
700	Newport News	16
710	Norfolk	12
730	Petersburg	2
740	Portsmouth	4
800	Suffolk	101
810	Virginia Beach	1

Table 3.--Summary of codes, names and number of analyses by county, independent city and State--Continued

Code	Name	Number of Analyses
	[NORTH CAROLINA]	
	County	
013	Beaufort	14
015	Bertie	8
017	Bladen	12
019	Brunswick	33
029	Camden	26
031	Carteret	3
041	Chowan	48
047	Columbus	15
049	Craven	51
051	Cumberland	3
053	Currituck	21
055	Dare	30
061	Duplin	27
065	Edgecombe	1
073	Gates	5
079	Greene	5
083	Halifax	3
085	Harnett	1
091	Hertford	11
093	Hoke	12
095	Hyde	20
101	Johnston	6
103	Jones	4
107	Lenoir	32
117	Martin	92
129	New Hanover	113
131	Northampton	4
133	Onslow	11
137	Pamlico	15
139	Pasquotank	33
141	Pender	2
143	Perquimans	24
147	Pitt	87
155	Robeson	25
163	Sampson	42
165	Scotland	9
177	Tyrrell	3
187	Washington	18
191	Wayne	51
195	Wilson	3

In the current study, questionable geologic unit codes were reevaluated to verify their accuracy. For this reason the codes in tables 5 through 9 may not agree exactly with those in the WATSTORE data base. For example, the New Jersey code "211MGRR" represents "Magothy-Raritan Formations" in the WATSTORE data base. During the course of this study it was possible to subdivide these formations into three aquifers representing the lower, middle and upper aquifers of the Potomac-Raritan-Magothy aquifer system. These aquifers are now coded (for the purposes of this study), respectively, 211MGRR1, 211MGRR2, and 211MGRR3. Geologic unit codes and aquifer names used in this report, the corresponding WATSTORE codes and names (U.S. Geological Survey, 1975b), and, the number of samples for each code are tabulated in table 4. In the case where no code is listed, the geologic unit code and aquifer name are unknown.

Table 4.--Geologic Unit Codes, aquifer names and number of analyses in the Atlantic Coastal Plain from North Carolina through New Jersey, by State.

Geologic Unit Code		Aquifer Name		Number of
This Report	WATSTORE[1]	This Report	WATSTORE[1]	Analyses
		[NEW JERSEY]		
112CPMY	--	Cape May Formation	--	3
112PLCC	--	Pleistocene Series-Cohansey sand	--	22
121CKKD	--	Cohansey sand-Kirkwood Formation	--	11
121CNSY	--	Cohansey sand	--	79
122KRKD	--	Kirkwood Formation	--	36
122KRKDL	--	Kirkwood Formation, lower sand	--	12
124MNSQ	--	Manasquan Formation	--	3
124MQVC	--	Manasquan-Vincentown Formations	--	4
124PNPN	--	Piney Point Formation	--	7
124VCMQ	None	Vincentown-Manasquan Formations	None	1
125VNCN	--	Vincentown Formation	--	25
211EGLS	--	Englishtown Formation	--	43
211FRNG	--	Farrington sand member of Raritan Formation	--	16
211MCVL	--	Merchantville Formation	--	2

Table 4.--Geologic Unit Codes, aquifer names and number of analyses in the Atlantic Coastal Plain from North Carolina through New Jersey, by State--Continued.

Geologic Unit Code		Aquifer Name		Number of Analyses
This Report	WATSTORE[1]	This Report	WATSTORE[1]	
211MGRR1	211MGRR	Lower aquifer, Potomac-Raritan-Magothy aquifer system	Magothy-Raritan Formations	203
211MGRR2	211MGRR	Middle aquifer, Potomac-Raritan-Magothy aquifer system	Magothy-Raritan Formations	167
211MGRR3	211MGRR	Upper aquifer, Potomac-Raritan-Magothy aquifer system	Magothy-Raritan Formations	164
211MGRR	211MGRR	Undifferentiated Potomac-Raritan-Magothy aquifer system	Magothy-Raritan Formations	126
211MLRL	--	Mount Laurel sand	--	6
211MLRW	--	Mount Laurel sand-Wenonah Formation	--	73
211ODBG	--	Old Bridge sand member of Magothy Formation	--	5
211RRTN	--	Raritan Formation	--	1
Not Reported	None	Undifferentiated	None	10
		[DELAWARE]		
122CSLD	--	Cheswold aquifer	--	27
122FRDC	--	Frederica aquifer	--	2
122MNKN	--	Manokin aquifer	--	9
122MOCN	--	Miocene Series	--	3
122PCMK	--	Pocomoke aquifer	--	5
124PNPN	--	Piney Point Formation	--	19
125RCCS	--	Rancocas Formation	--	7
210CRCS	--	Cretaceous System	--	2
210PTMC	210PTMC[2]	Potomac Group	--	3
211MGTY	--	Magothy Formation	--	2
211MLRL	--	Mount Laurel sand	--	1
211MNMT	--	Monmouth Formation	--	4
211MTWN	--	Matawan Formation	--	1
217NNMR	--	Nonmarine Cretaceous aquifer	--	2
Not Reported	None	Undifferentiated	None	15

Table 4.--Geologic Unit Codes, aquifer names and number of analyses in the Atlantic Coastal Plain from North Carolina through New Jersey, by State--Continued.

Geologic Unit Code		Aquifer Name		Number of Analyses
This Report	WATSTORE[1]	This Report	WATSTORE[1]	
		[MARYLAND]		
110QRNR	--	Quaternary System	--	3
112PCPC	--	Pleistocene-Pliocene Series	--	12
112PLSC	--	Pleistocene Series	--	31
112SLBR	--	Salisbury aquifer	--	9
112UPLD	--	Upland deposits	--	4
122CLVR	--	Calvert Formation	--	12
122CPNK	--	Choptank Formation	--	4
122CSLD	--	Cheswold aquifer	--	1
122MNKN	--	Manokin aquifer	--	31
122MOCN	--	Miocene Series	--	1
122PCMK	--	Pocomoke aquifer	--	7
122YRKN	--	Yorktown Formation	--	3
124EOCN	--	Eocene Series	--	1
124NNJM	--	Nanjemoy Formation	--	84
124PNPN	--	Piney Point Formation	--	43
125AQUI	--	Aquia Formation	--	198
125PLCN	--	Paleocene Series	--	2
210CRCS	--	Cretaceous System	--	96
211CRCSU	--	Upper Cretaceous Series	--	9
211MGTY	--	Magothy Formation	--	85
211MNMT	--	Monmouth Formation	--	2
211MTWN	--	Matawan Formation	--	4
217ARDL	--	Arundel Formation	--	2
217CRCSL	--	Lower Cretaceous Series	--	2
217NNMR	--	Nonmarine Cretaceous aquifer	--	4
217PPSC	--	Patapsco Formation	--	46
217PTMC	--	Potomac Group	Potomac Formation	10
217PTXN	--	Patuxent Formation	--	37
Not Reported	None	Undifferentiated	None	3
		[VIRGINIA]		
110QRNR	--	Quaternary System	--	18
do	122CSPK	do	Chesapeake Group	8
do	122YRKN	do	Yorktown Formation	1
do	217PTMC	do	Potomac Group	1
121CSPKU	110QRNR	Upper Chesapeake aquifer	Quaternary System	3

Table 4.--Geologic Unit Codes, aquifer names and number of analyses in the Atlantic Coastal Plain from North Carolina through New Jersey, by State--Continued.

Geologic Unit Code		Aquifer Name		Number of Analyses
This Report	WATSTORE[1]	This Report	WATSTORE[1]	
do	122CSPK	do	Chesapeake Group	85
do	122YRKN	do	Yorktown Formation	3
do	None	do	None	2
122CSPK	--	Chesapeake Group	--	17
122CSPKL	122CSPK	Lower Chesapeake aquifer	Chesapeake Group	1
124EOCN	120TRTR	Eocene Series	Tertiary System	1
do	122CSPK	do	Chesapeake Group	8
do	124ECPPC	do	Eocene-Paleocene Series	6
do	124PMNK	do	Pamunkey Group	62
do	125PLCN	do	Paleocene Series	2
do	217PTMC	do	Potomac Group	1
do	None	do	None	6
124PMNK*	124ECPC	Multiscreened Well	Eocene-Paleocene Series	1
125PLCN	--	Paleocene Series	--	4
do	122CSPK	do	Chesapeake Group	1
125PLCN	124ECPC	Paleocene Series	Eocene-Paleocene Series	4
do	124PMNK	do	Pamunkey Group	7
do	210CRCS	do	Cretaceous System	3
do	211CRCSU	do	Upper Cretaceous Series	5
do	217PTMC	do	Potomac Group	12
do	None	do	None	4
210CRCS	--	Cretaceous System	--	2
210CRCS*	217PTMC	Multiscreened Well	Potomac Group	1
211CRCSU	--	Upper Cretaceous Series	--	9
do	122CSPK	do	Chesapeake Group	1
do	124ECPC	do	Eocene-Paleocene Series	4
do	124PMNK	do	Pamunkey Group	8
do	125PLCN	do	Paleocene Series	3
do	217CRCSL	do	Lower Cretaceous Series	1
do	217PTMC	do	Potomac Group	171
do	None	do	None	2
217PPSC	124ECPC	Patapsco Formation	Eocene-Paleocene Series	1
do	124PMNK	do	Pamunkey Group	1
do	125PLCN	do	Paleocene Series	1

Table 4.--Geologic Unit Codes, aquifer names and number of analyses in the Atlantic Coastal Plain from North Carolina through New Jersey, by State--Continued.

Geologic Unit Code		Aquifer Name		Number of Analyses
This Report	WATSTORE[1]	This Report	WATSTORE[1]	
do	211CRCSU	do	Upper Cretaceous Series	13
do	217CRCSL	do	Lower Cretaceous Series	2
do	217PTMC	do	Potomac Group	117
do	230TRSC	do	Triassic System	1
do	400GRCS	do	Unknown	1
do	None	do	None	33
217PTMC	--	Potomac Group	--	3
217PTMC*	217PTMC	Multiscreened Well	Potomac Group	11
do	None	do	None	1
217PTXN	217PTMC	Patuxent Formation	Potomac Group	8
do	None	do	None	1
*	217PTMC	Multiscreened Well	None	40
Not Reported	None	Undifferentiated	None	123
		[NORTH CAROLINA]		
100CZMZ	--	Cenozoic-Mesozoic sediments, undifferentiated	--	2
100CZMZU	None	Unconfined aquifer	None	16
110QPLC	--	Post Miocene (Quaternary + Pliocene) rocks	--	64
110QRAQ	None	Quaternary aquifer	None	3
111RCNTS	None	Holocene deposits	None	26
120TRTR7	None	Tertiary System	None	5
122MCAQ	None	Miocene aquifer	None	2
122MCEC	--	Miocene-Eocene sediments, undifferentiated	--	1
122MCEP	--	Miocene-Eocene-Paleocene sediments, undifferentiated	--	1
122MCEP*	122MCEP	Multiscreened well	Miocene-Eocene-Paleocene sediments, undifferentiated	1
122MOCN8	None	Miocene Series	None	2
122PGRV	--	Pungo River Formation	--	3
122YRKN	--	Yorktown Formation	--	110
123OLGC	--	Oligocene Series	--	8
124CSLH	--	Castle Hayne Formation	--	159

Table 4.--Geologic Unit Codes, aquifer names and number of analyses in the Atlantic Coastal Plain from North Carolina through New Jersey, by State--Continued.

Geologic Unit Code		Aquifer Name		Number of Analyses
This Report	WATSTORE[1]	This Report	WATSTORE[1]	
124CSLHL	--	Lower Castle Hayne aquifer	--	2
124CSLHU	--	Upper Castle Hayne aquifer	--	1
125BFRT	--	Beaufort Formation	--	29
125BFRT4	125BFRT	Mesozoic Erathem	Beaufort Formation	1
125BFRTQ	--	Beaufort aquifer	--	2
200MSZC2	None	Mesozoic Erathem	None	7
200MSZC3	None	do	None	3
200MSZC4	None	do	None	5
200MSZC5	None	do	None	4
211BKCK	None	Black Creek-Middendorf aquifer	None	167
211CRCS*	211CRCS[3]	Multiscreened well	Cretaceous System[4]	6
211CRCS2	do	Cretaceous aquifers	do	4
211CRCS3	do	do	do	30
211CRCS4	do	do	do	33
211CRCS5	do	do	do	8
211CRCS6	do	Paleocene aquifer	do	1
211CRCS7	do	Oligocene-Eocene aquifer	do	1
211CRCS8	do	Miocene aquifer	do	1
211CRCSW	do	Unconfined aquifer	do	2
211PEED	--	Peedee Formation	--	80
do	124CSLH	do	Castle Hayne Formation	2
211TSCL*	211TSCL	Multiscreened well	Tuscaloosa Formation	17
211TSCL2	do	Cretaceous aquifers	do	5
211TSCL3	do	do	do	64
211TSCL4	do	do	do	21
211TSCL5	do	do	do	1
211TSCL6	do	Paleocene aquifer	do	2
211TSCL9	do	Pliocene-Miocene aquifer	do	1
217CRAQ*	217CRAQL	Multiscreened well	Lower Cretaceous Series	3
217CRAQL	--	Lower Cretaceous Series	--	1
*	None	Multiscreened well	None	5
Not Reported	None	Undifferentiated	None	11

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[1] Equivalent to usage in this report unless otherwise indicated. For more information see (U.S. Geological Survey, 1975b).

[2] Officially recognized WATSTORE code is 217PTMC.

[3] Not officially recognized as a WATSTORE code in North Carolina.

[4] Not officially recognized as a WATSTORE name in North Carolina.

Local well identifiers.--Analyses listed in tables 5-9 contain local well names and numbers which are based on criteria established locally. These names are supplied for the convenience of readers familiar with the nomenclature of these well-identification schemes.

Chemical constituents and physical characteristics.--Common ions, important trace constituents and physical characteristics were selected from table 1 for inclusion in tables 5-9. In most cases the Water-Quality File parameter code for the dissolved-ionic species was selected as the most appropriate representation of a constituent's concentration in ground-water samples. In some cases however, such as with carbon, data has been stored under several codes. In order to maintain consistency in the tables, the appropriate values were transformed so that the carbon could be reported as the bicarbonate ion. Because U.S. Geological Survey policy regarding the methodology of making carbon determinations in ground water has changed over the years, and, because the methods of reporting the carbon concentrations has also changed, the following order of precedence was established as a criterion for selecting the appropriate carbon value:

1. Sum of bicarbonate ion(00440) and carbonate ion(00445)
2. Alkalinity, field(00410)
3. Alkalinity, laboratory (90410)
4. Carbon, inorganic, total(00685)

The dissolved solids values reported in tables 5-9 are parameter code 70301 (sum of constituents).

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Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey.

[Results in milligrams per liter except as indicated]

County: Codes are defined in table 3.
Geologic unit code: Codes are defined in table 4.
Iron and Aluminum: Micrograms per liter. One milligram equals 1000 micrograms.
Specific conductance: Microsiemens per centimeter at 25° Celsius.
pH: Negative base-10 logarithm of hydrogen ion activity in moles per liter.
Temperature: Degrees Celsius.
Collection date: Month, day and year of sample collection.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.3500	74.4542	001	112PLCC	GOLDEN SANDS MOTEL	338.0	997.0	7620.0	210.0	340.0	1790.0	13900.0	8.2	7300.0	--	0.20	--	0.8	37900.0	7.4	--	25000.0	5- 8-64
39.6744	74.6658	001	112PLCC	USGS 5 G 3	0.4	0.2	3.5	0.2	1.0	1.5	5.5	4.8	8200.0	8000.0	0.80	--	--	29.0	4.7	11.8[1]	19.0	6-10-60
39.6744	74.6658	001	112PLCC	USGS 5 G 3	0.4	0.2	3.5	0.2	5.0	0.4	4.6	4.8	10000.0	1000.0	0.20	--	--	26.0	5.4	11.8[1]	18.0	6-22-60
39.6744	74.6658	001	112PLCC	USGS 5 G 3	0.8	0.2	2.8	0.1	1.0	2.1	5.4	4.4	15000.0	--	--	--	--	29.0	4.7	11.8[1]	--	6-12-60
39.6747	74.6658	001	112PLCC	USGS-MULLICA 4J2	0.4	0.5	3.5	0.2	4.0	2.9	4.3	5.7	11000.0	16000.0	0.30	--	--	23.0	5.8	10.0[1]	22.0	6-10-60
39.6747	74.6658	001	112PLCC	USGS-MULLICA 4J2	0.8	0.5	2.8	0.1	4.0	1.5	5.4	6.1	3200.0	--	--	--	--	26.0	5.1	10.0[1]	--	6-14-60
39.6747	74.6658	001	112PLCC	USGS-MULLICA 4J2	0.4	0.2	3.5	0.5	1.0	3.3	4.3	3.9	10000.0	15000.0	1.90	--	--	28.0	4.7	10.0[1]	21.0	6-22-60
39.6772	74.6661	001	112PLCC	WHARTON TRACT 4H 203 OBS	8.2	2.8	19.0	2.3	74.0	11.0	2.2	9.8	2900.0	--	0.20	--	0.2	137.0	6.9	18.7[1]	92.0	9-10-59
39.6772	74.6661	001	112PLCC	WHARTON TRACT 4H 203 OBS	7.2	2.4	17.0	2.2	67.0	12.0	2.6	16.0	4600.0	--	0.50	0.10	0.2	135.0	7.4	18.7[1]	93.0	11-29-63
39.3053	74.6178	001	121CNSY	NJ HIGHWAY AUTHORITY 1	368.0	738.0	5340.0	124.0	--	1290.0	9800.0	16.0	6400.0	--	0.20	--	--	27000.0	3.8	--	17700.0	3-27-64
39.3336	74.5894	001	121CNSY	NJWC-ATL CO-KIRKLIN AVE	1.6	1.5	8.0	0.2	8.0	3.4	13.0	9.3	680.0	--	1.40	--	--	70.0	5.6	13.3	42.0	4-22-64
39.3336	74.5894	001	121CNSY	NJWC-ATL CO-KIRKLIN AVE	1.6	1.2	7.9	0.8	8.0	3.2	12.0	10.0	570.0	--	1.10	--	0.1	65.0	5.6	11.7	42.0	8-20-68
39.3336	74.5894	001	121CNSY	NJWC-ATL CO-KIRKLIN AVE	--	2.2	12.0	1.2	6.0	7.0	17.0	10.0	--	--	--	--	--	102.0	5.5	13.9	60.0	9- 7-73
39.3511	74.4519	001	121CNSY	SILVER SANDS MOTEL	330.0	924.0	7350.0	205.0	379.0	1570.0	13600.0	8.8	2400.0	--	--	--	1.0	37000.0	7.1	--	24200.0	5- 8-64
39.4089	74.5203	001	121CNSY	ATLANTIC CO WD-DELILAH R	1.4	1.0	6.0	0.8	4.0	1.5	10.0	5.6	--	--	3.10	--	--	--	-	--	31.0	1-26-33
39.4114	74.5136	001	121CNSY	ATLANTIC CITY WD 13	3.2	3.4	11.0	1.0	3.0	11.0	19.0	6.5	40.0	--	8.00	--	0.1	125.0	5.1	10.0	66.0	4-28-64
39.4119	74.5097	001	121CNSY	ATLANTIC CITY WD 3	1.6	1.0	3.5	1.5	2.0	11.0	5.8	26.0	1600.0	--	--	--	--	54.0	4.8	10.0	46.0	4-28-64
39.4189	74.5094	001	121CNSY	ATLANTIC CITY WD 8	13.0	28.0	223.0	5.2	--	37.0	430.0	12.0	--	--	0.50	--	--	--	-	--	749.0	2-13-32
39.4189	74.5094	001	121CNSY	ATLANTIC CITY WD 8	10.0	23.0	181.0	4.0	--	27.0	355.0	7.2	--	--	0.72	--	--	--	-	--	608.0	9- 6-33
39.4200	74.5086	001	121CNSY	ATLANTIC CITY WD 7	1.2	1.8	5.0	1.5	--	11.0	6.0	19.0	--	--	--	--	--	--	-	--	45.0	9- 5-33
39.4300	74.5189	001	121CNSY	ATLANTIC CITY WD 12	1.6	0.9	4.4	1.4	3.0	11.0	4.5	22.0	--	--	--	--	--	--	-	--	47.0	9- 5-33
39.4300	74.5189	001	121CNSY	ATLANTIC CITY WD 12	2.4	1.5	3.5	1.5	6.0	11.0	5.4	18.0	1400.0	--	--	--	--	53.0	5.5	10.0	46.0	4-28-64
39.4539	74.7244	001	121CNSY	HAMILTON TWP MUA 3-28	5.2	2.2	3.5	2.2	20.0	9.4	3.4	54.0	150.0	--	0.20	--	0.2	67.0	6.4	--	90.0	10-17-63
39.4539	74.7244	001	121CNSY	HAMILTON TWP MUA 3-28	22.0	2.1	3.9	2.6	74.0	11.0	4.3	37.0	--	--	0.10	0.55	0.3	152.0	8.2	15.0	120.0	4-24-69
39.5586	74.7403	001	121CNSY	SCHOLLER BROS. 2-57	0.8	0.2	1.5	0.4	1.0	3.6	2.2	13.0	30.0	--	--	--	--	23.0	5.1	12.2	22.0	12-20-57
39.5992	74.6872	001	121CNSY	AMATOL 8 OBS	0.8	0.7	1.6	0.5	6.0	--	3.2	7.1	130.0	--	0.20	--	--	21.0	5.6	12.2	17.0	10-18-61
39.6767	74.6669	001	121CNSY	WHARTON TRACT 2G OBS	0.4	1.2	2.7	0.2	3.0	3.1	4.0	4.8	11000.0	100.0	0.50	--	--	22.0	5.3	10.0[1]	19.0	6-10-60
39.6767	74.6669	001	121CNSY	WHARTON TRACT 2G OBS	1.2	--	2.7	0.2	1.0	3.8	3.5	4.8	11000.0	--	--	--	--	24.0	4.8	8.4[1]	17.0	6-22-60
39.6767	74.6669	001	121CNSY	WHARTON TRACT 2G OBS	0.8	0.2	3.0	0.1	2.0	2.5	3.3	5.1	11000.0	--	0.90	--	--	25.0	4.7	8.4[1]	17.0	6-28-60
39.3075	74.6194	001	122KRKD	USGS-JOBS POINT OBS	16.0	2.6	19.0	--	80.0	16.0	6.7	36.0	--	--	0.50	--	0.3	174.0	8.2	15.0	140.0	4-29-69
39.3075	74.6194	001	122KRKD	USGS-JOBS POINT OBS	13.0	2.3	18.0	3.6	79.0	14.0	5.6	33.0	50.0	--	0.40	--	0.2	163.0	7.6	--	129.0	9-12-59
39.3136	74.5806	001	122KRKD	J P OBYRNE 1	28.0	4.7	18.0	5.7	106.0	13.0	30.0	24.0	460.0	--	0.80	0.19	--	290.0	8.3	14.0	176.0	4-24-69
39.3664	74.4444	001	122KRKD	ATLANTIC CITY ELEC 1	8.2	0.8	18.0	2.8	65.0	12.0	3.4	34.0	140.0	--	0.50	0.90	0.1	140.0	7.8	18.6	113.0	4-17-56
39.3664	74.4444	001	122KRKD	ATLANTIC CITY ELEC 1	7.6	1.2	22.0	2.0	66.0	12.0	3.8	32.0	150.0	--	--	--	0.3	141.0	7.4	17.8	114.0	4-21-64
39.4650	74.4503	001	122KRKD	OCEANVILLE 1 OBS	4.9	1.5	15.0	2.2	44.0	12.0	2.2	36.0	640.0	--	0.20	--	0.1	105.0	6.8	16.7	96.0	8-26-59
39.5372	74.6403	001	122KRKD	EGG HARBOR CITY WW 4	2.4	1.7	2.5	2.0	8.0	9.6	3.3	51.0	3600.0	--	0.30	--	--	59.0	5.7	--	77.0	10-16-63
39.6331	74.8067	001	122KRKD	HAMMONTON WD 1-22	2.0	0.2	1.5	0.7	1.0	6.0	1.9	11.0	130.0	--	1.30	--	--	36.0	5.0	--	25.0	8-13-63
39.3164	74.5228	001	122KRKDL	LONGPORT BORO WD 2	8.8	1.9	26.0	2.5	82.0	12.0	6.8	28.0	180.0	--	0.20	--	0.2	168.0	7.4	17.8	127.0	4-21-64
39.3422	74.4819	001	122KRKDL	VENTNOR CITY WD 6	6.8	1.7	21.0	2.0	65.0	8.2	3.9	30.0	70.0	--	0.20	--	0.3	138.0	7.5	18.3	106.0	4-21-64
39.3494	74.4531	001	122KRKDL	PRESIDENT HOTEL-NEW	7.6	1.7	27.0	2.5	75.0	13.0	6.8	29.0	300.0	--	0.40	--	0.2	166.0	7.3	17.8	125.0	4-21-64
39.4156	74.3561	001	122KRKDL	BRIGANTINE CITY WD 2-29	3.2	1.5	21.0	2.0	40.0	10.0	11.0	28.0	450.0	--	0.20	--	0.3	128.0	6.9	17.8	97.0	4-21-64
39.5364	74.6400	001	122KRKDL	EGG HARBOR CITY WW 3	2.8	1.5	2.5	2.0	10.0	8.2	3.3	47.0	4000.0	--	0.30	--	--	47.0	5.9	--	73.0	10-16-63
39.9764	74.7133	005		PERMUTIT CORP-DOMESTIC	48.0	3.3	1.6	4.7	144.0	16.0	5.0	16.0	480.0	--	0.10	--	0.2	280.0	7.8	--	166.0	10- 5-71
39.9939	74.6283	005		US ARMY-FT DIX 6	15.0	2.6	11.0	5.4	62.0	12.0	1.9	8.4	50.0	--	0.10	--	6.2	148.0	7.6	14.0	93.0	2- 8-72
39.9939	74.6283	005		US ARMY-FT DIX 6	20.0	6.4	5.1	9.6	118.0	0.6	1.4	11.0	--	--	1.50	--	0.2	196.0	7.7	12.0	114.0	5-25-66
40.0928	74.8472	005	112CPMY	BURLINGTON CITY WD 6	15.0	7.7	7.5	2.6	51.0	28.0	10.0	7.3	50.0	--	5.60	0.07	--	182.0	6.4	13.8	109.0	7- 6-70
39.6431	74.6478	005	112PLCC	BUR PARKS BATSTO MANSION	14.0	2.8	3.5	1.5	45.0	11.0	3.9	10.0	340.0	--	5.90	--	0.1	116.0	7.1	11.5	75.0	6-30-60
39.6703	74.3972	005	112PLCC	USGS-BASS RIVER T 39	1.1	0.9	3.1	0.4	2.0	5.3	5.2	2.6	60.0	--	--	--	--	--	-	--	--	8-30-34
39.7394	74.7192	005	112PLCC	ATSION 3 OBS	2.0	0.7	1.5	0.4	2.8	9.2	1.8	4.5	170.0	300.0	--	--	0.1	40.0	4.9	13.5	22.0	9- 9-63
39.7531	74.3850	005	112PLCC	BUR PARKS PENN ST FOREST	1.6	2.4	5.0	0.5	27.0	--	3.6	4.5	390.0	--	0.20	--	--	55.0	6.7	11.5	32.0	6-13-61

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
39.8797	74.4908	005	112PLCC	LEBANON ST FOR-OBS 16 H	1.6	1.5	1.7	0.6	2.0	7.9	3.5	4.5	--	--	0.60	--	--	39.0	5.4	10.5	23.0	8-13-58
39.8797	74.4908	005	112PLCC	LEBANON ST FOR-OBS 16 H	0.3	1.7	1.7	0.6	1.0	7.9	3.6	3.8	--	--	0.20	--	0.1	37.0	5.4	11.5	21.0	3-12-58
39.9203	74.5056	005	112PLCC	LEBANON ST FOR-OBS 3 U	0.4	0.7	2.7	--	--	5.9	3.6	4.4	--	--	0.70	--	--	31.0	4.3	14.0	19.0	11-25-60
39.5925	74.4431	005	121CKKD	CHESTER ALLEN 4	1.0	0.8	2.5	2.0	2.0	7.0	3.6	32.0	320.0	1000.0	0.20	--	--	47.1	4.7	13.3	50.0	8-14-51
39.7167	74.6417	005	121CKKD	MULLICA 4D	0.4	0.2	1.6	0.3	1.0	0.3	3.2	3.8	10.0	--	0.09	--	0.1	20.0	5.4	12.5	10.0	4- 7-78
39.7600	74.5950	005	121CKKD	MULLICA 5D	25.0	1.1	11.0	4.5	99.0	9.1	2.8	21.0	680.0	--	--	0.37	0.1	186.0	7.2	11.0	125.0	4-26-78
39.9394	74.4819	005	121CKKD	J J WHITE-IRRIGATION 1	6.0	3.5	19.0	8.3	66.0	6.7	23.0	6.1	610.0	--	0.10	0.01	--	206.0	6.1	13.8	105.0	7-28-70
39.6139	74.5742	005	121CNSY	GRN BANK ST FOR NUSERY	2.4	0.4	3.0	0.9	5.0	4.2	5.0	6.1	10000.0	--	0.20	--	0.1	35.2	5.5	18.3	25.0	6-21-51
39.6253	74.4253	005	121CNSY	LAKE ABSEGAMI 2	1.3	1.9	2.4	0.7	3.0	4.5	8.2	4.3	120.0	1000.0	0.30	--	--	79.1	5.0	13.3	25.0	8-14-51
39.6622	74.6206	005	121CNSY	MULLICA 40S	1.4	1.5	1.2	0.3	7.0	8.4	2.3	3.8	10.0	--	0.04	--	0.1	54.0	5.1	5.5[2,3]	20.0	3- 9-78
39.6625	74.6467	005	121CNSY	MULLICA 39S	0.8	1.1	1.5	0.4	1.0	4.8	2.7	3.9	20.0	--	--	--	0.1	34.0	4.8	10.5	19.0	3- 9-78
39.6844	74.5778	005	121CNSY	MULLICA 44S	0.5	1.5	1.7	0.3	2.0	8.7	2.2	2.9	10.0	--	0.04	--	0.1	41.0	4.8	11.0	19.0	4-12-78
39.6953	74.4744	005	121CNSY	MULLICA 48S	0.6	1.4	2.1	0.6	1.0	7.7	3.6	3.8	10.0	--	0.18	--	0.1	44.0	4.7	12.0	21.0	3-29-78
39.7022	74.4458	005	121CNSY	OSWEGO LAKE 1 OBS	0.8	1.0	2.8	0.5	6.0	--	5.4	4.2	170.0	--	0.20	--	--	25.0	5.7	13.0	18.0	8-31-61
39.7200	74.5369	005	121CNSY	ARTHUR SOOY 5	1.6	1.0	1.8	0.5	2.0	6.7	2.2	1.5	470.0	--	0.20	--	0.1	33.0	4.8	20.5	17.0	6-13-61
39.7428	74.7283	005	121CNSY	LESSON SMALL	0.2	0.7	2.6	0.8	3.0	--	4.2	5.2	40.0	--	2.10	--	--	23.2	5.5	15.0	17.0	8-14-51
39.7556	74.7531	005	121CNSY	MULLICA 21S	5.3	0.7	1.7	0.4	2.0	14.0	4.0	4.3	10.0	--	0.13	--	0.1	59.0	5.1	10.5	32.0	2-17-78
39.7586	74.7322	005	121CNSY	MULLICA 52S	1.9	0.8	1.2	0.6	1.0	8.6	2.6	5.4	20.0	--	0.09	--	0.1	39.0	4.9	10.5	22.0	2-16-78
39.7689	74.6817	005	121CNSY	MULLICA 29S	0.3	0.3	1.5	0.9	1.2	3.7	1.9	8.8	150.0	--	0.27	--	0.1	31.0	4.5	12.5	18.0	3-30-78
39.7939	74.7442	005	121CNSY	LEAH PRICKETT	1.2	1.6	3.1	0.6	--	7.5	8.5	2.7	5700.0	--	0.30	--	--	62.9	4.4	14.4	26.0	6-21-51
39.8033	74.6753	005	121CNSY	MULLICA 53S	0.6	0.7	1.9	0.7	1.2	3.4	3.8	5.6	10.0	--	1.20	--	0.1	37.0	4.6	11.5	18.0	3- 1-78
39.8369	74.5075	005	121CNSY	LENA BATES 38	4.1	2.9	8.0	5.0	2.0	22.0	10.0	4.1	170.0	6000.0	13.00	--	0.2	142.0	4.8	--	71.0	7- 9-59
39.8694	74.5181	005	121CNSY	LEB ST FO SAW MILL 2 OBS	0.4	0.5	1.8	0.2	4.0	0.2	3.2	5.8	100.0	--	--	--	0.1	19.0	5.2	9.5[2,3]	14.0	2-22-64
39.9036	74.4681	005	121CNSY	USGS LEBANON ST FOR-18V	--	0.5	1.7	0.4	1.0	1.0	3.2	5.4	620.0	--	--	--	--	18.0	6.1	11.5	13.0	8- 6-58
39.6625	74.5239	005	122KRKD	HARRISVILLE IW 1	0.8	0.9	2.9	2.2	1.0	10.0	3.1	26.0	100.0	--	0.10	--	--	49.0	4.7	13.5	--	8-14-51
39.7022	74.4458	005	122KRKD	OSWEGO LAKE 2 OBS	2.9	1.2	26.0	1.2	54.0	16.0	5.6	0.9	3200.0	--	--	--	0.1	138.0	7.3	11.5	81.0	3-14-62
39.8206	74.4289	005	124MNSQ	COYLE AIRPORT 1 OBS	3.3	1.0	4.8	1.2	16.0	7.1	3.2	1.1	12000.0	--	0.20	--	--	52.0	6.3	14.0	30.0	7-25-62
39.9464	74.8747	005	211EGLS	SAUL GROSSMAN 1	34.0	3.2	1.6	4.1	117.0	7.7	2.4	17.0	870.0	--	--	--	0.4	205.0	7.3	17.8	128.0	10-10-57
39.9831	74.5228	005	211EGLS	US ARMY-FT DIX 11	1.8	0.9	2.8	0.4	6.0	0.4	6.6	4.3	1600.0	--	5.60	--	0.1	48.0	6.9	--	26.0	6-23-69
39.9947	74.5464	005	211EGLS	US ARMY-FT DIX 9	24.0	4.9	--	--	99.0	8.0	1.0	12.0	320.0	--	0.50	--	--	182.0	7.3	--	105.0	6- 5-51
39.9947	74.5464	005	211EGLS	US ARMY-FT DIX 9	0.6	0.3	2.2	0.2	4.0	--	2.5	4.2	--	--	0.80	--	0.1	17.2	6.0	12.0	13.0	5-25-66
39.9958	74.5467	005	211EGLS	US ARMY FT DIX 10	23.0	4.0	2.3	4.3	94.0	7.0	1.0	11.0	--	--	0.10	--	0.2	169.0	7.5	12.0	99.0	5-25-66
40.1297	74.5981	005	211EGLS	CLARK, R H	33.0	3.5	2.5	2.5	108.0	8.4	3.0	45.0	--	--	0.40	--	0.5	197.0	6.8	16.0	152.0	6-13-61
39.8561	74.5047	005	211MGRR	BUTLER PLACE 1 OBS	12.0	3.9	15.0	6.0	86.0	9.0	3.2	10.0	1100.0	--	0.30	--	0.3	153.0	8.1	24.4	103.0	9-30-64
39.8561	74.5047	005	211MGRR	BUTLER PLACE 1 OBS	13.0	2.3	14.0	7.0	79.1	9.4	2.8	11.0	1400.0	--	--	0.03	0.4	150.0	8.8	18.8	100.0	4-19-72
39.9389	74.9250	005	211MGRR	MT LAUREL MUA 3	21.0	3.7	5.9	5.5	82.0	24.0	2.8	12.0	6500.0	--	--	--	--	192.0	6.9	16.5	123.0	8-28-80
39.9897	74.8592	005	211MGRR	RANCOCAS WOODS WC1	38.0	7.1	3.8	7.8	120.0	41.0	0.9	7.6	440.0	--	--	--	0.2	283.0	7.5	--	166.0	10- 7-71
39.9969	74.6153	005	211MGRR	US ARMY-FT DIX 4	17.0	2.5	4.0	4.6	59.0	16.0	4.7	8.6	2200.0	--	0.20	--	0.2	145.0	6.7	--	87.0	2-19-68
39.9969	74.6153	005	211MGRR	US ARMY-FT DIX 4	17.0	2.7	4.0	4.0	64.0	11.0	3.7	9.5	--	--	--	--	0.1	136.0	7.0	12.5	86.0	5-24-66
40.0164	74.9900	005	211MGRR	WASTE RESOURCE OBS 5	22.0	8.9	11.0	5.3	2.2	87.0	8.2	5.7	44.0	--	--	0.03	--	284.0	4.9	15.0	175.0	12- 2-80
40.0181	74.5892	005	211MGRR	US ARMY-FT DIX 5	24.0	4.6	2.8	5.6	102.0	8.0	1.4	9.5	--	--	0.40	--	0.3	184.0	7.2	12.0	107.0	5-25-66
40.0181	74.5892	005	211MGRR	US ARMY-FT DIX 5	11.0	2.2	7.2	4.5	49.0	15.0	4.2	7.7	70.0	--	0.20	--	0.3	118.0	7.4	14.0	76.0	2- 8-72
40.0186	74.8494	005	211MGRR	HANOVER TRLS COMMISSARY	45.0	9.1	3.7	6.8	144.4	46.0	1.9	8.6	25000.0	--	--	--	--	345.0	6.8	13.5	218.0	6-26-80
40.0247	74.6156	005	211MGRR	US ARMY FT DIX 2	16.0	2.7	4.8	4.0	66.0	12.0	1.4	9.1	--	--	0.40	--	--	138.0	6.7	12.0	83.0	5-24-66
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	16.0	2.4	9.4	--	67.0	11.0	2.4	11.0	--	--	0.20	--	0.1	133.0	7.0	19.0	86.0	1-17-58
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	17.0	2.6	6.0	3.8	69.0	7.6	2.4	9.8	3100.0	--	0.50	--	--	135.0	6.9	--	84.0	3- 1-61
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	16.0	1.8	5.5	4.2	74.0	--	2.6	3.8	1100.0	--	0.40	--	0.1	119.0	7.6	--	71.0	11-20-61
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	16.0	2.8	4.9	4.0	68.0	9.4	2.4	11.0	2300.0	--	0.30	--	--	134.0	7.1	18.9	84.0	3-21-62
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	18.0	1.7	5.0	3.8	69.0	10.0	2.4	9.5	1300.0	--	0.30	--	--	137.0	7.0	18.9	85.0	10- 9-63
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	16.0	2.7	4.8	2.5	68.0	10.0	2.4	9.2	2400.0	--	0.30	--	--	140.0	8.2	18.9	81.0	3-17-64
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	16.0	2.7	5.1	3.8	66.0	10.0	2.8	10.0	--	--	0.20	--	--	138.0	6.9	19.0	83.0	5- 4-66
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	16.0	2.4	6.0	4.0	68.0	11.0	2.6	9.1	--	--	--	--	--	132.0	7.0	20.0	84.0	5-23-67
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	16.0	2.5	5.0	4.1	68.0	11.0	2.6	8.9	1600.0	--	--	--	--	136.0	6.9	19.0	84.0	5-14-68
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	17.0	2.4	4.8	4.3	67.0	12.0	1.8	10.0	4000.0	--	--	--	0.1	137.0	7.2	19.0	81.0	6-17-69
40.0281	74.5903	005	211MGRR	US AIR FORCE-MCGUIRE D	17.0	2.6	5.4	4.3	66.0	9.8	2.7	9.6	--	--	--	--	0.2	137.0	7.2	--	84.0	1- 8-74
40.0297	74.9928	005	211MGRR	TAYLOR 2 OBS	18.0	7.5	3.6	9.3	21.0	62.0	4.8	5.6	1100.0	--	--	--	0.1	228.0	5.8	12.9	124.0	6-27-75
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	15.0	2.6	4.5	4.0	63.0	8.3	4.0	8.2	--	--	0.10	--	0.2	131.0	7.3	--	87.0	6- 8-71
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	17.0	2.5	5.2	4.2	68.0	3.5	3.3	7.1	--	--	--	--	0.2	125.0	7.5	--	77.0	1- 8-74
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	2.8	4.8	3.7	66.0	10.0	2.4	11.0	--	--	0.20	--	0.1	132.0	7.0	18.0	84.0	2-24-60
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	2.6	6.0	3.8	67.0	8.2	2.5	8.3	--	--	0.80	--	--	133.0	6.8	--	81.0	3- 1-61

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	2.8	6.1	4.0	68.0	8.2	2.6	9.9	--	--	--	--	0.1	131.0	7.0	--	83.0	11-20-61
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	17.0	2.4	4.5	3.8	70.0	8.0	2.2	10.0	--	--	0.50	--	--	136.0	7.0	18.0	83.0	10- 9-63
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	2.7	4.8	2.2	68.0	10.0	2.4	9.5	--	--	0.20	--	--	135.0	7.0	19.0	81.0	3-17-64
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	15.0	3.9	5.3	3.5	68.0	11.0	2.6	9.5	--	--	0.30	--	0.1	134.0	6.9	29.0	85.0	3-18-65
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	1.7	7.0	3.8	60.0	13.0	4.8	10.0	--	--	0.50	--	0.4	145.0	6.7	18.0	88.0	5- 4-66
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	2.2	6.0	3.6	67.0	11.0	2.5	9.5	--	--	--	--	--	130.0	7.0	19.0	84.0	5-23-67
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	2.5	5.0	4.0	68.0	11.0	2.6	9.3	--	--	0.10	--	--	134.0	6.9	20.0	84.0	5-14-68
40.0306	74.5744	005	211MGRR	US AIR FORCE-MCGUIRE C	16.0	2.3	4.6	4.0	66.0	11.0	1.8	9.2	--	--	--	--	--	136.0	7.3	20.0	81.0	6-17-69
40.3342	74.9256	005	211MGRR	HOLIDAY LK ICE CREAM STD	7.5	2.0	14.0	2.1	1.2	27.0	15.6	6.7	23.0	--	--	--	--	149.0	4.9	16.6	88.0	8-29-80
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.5	9.8	--	66.0	8.0	4.5	7.8	--	--	0.80	--	--	141.0	7.1	--	81.0	3-16-55
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	14.0	3.3	7.0	4.0	62.0	11.0	5.2	10.0	2000.0	--	0.40	--	0.1	141.0	6.9	17.8	86.0	2-24-60
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.1	8.2	3.8	64.0	9.4	5.1	7.8	2000.0	--	0.40	--	0.1	139.0	7.1	--	84.0	3- 1-61
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.8	8.2	4.2	64.0	9.2	5.2	9.4	2000.0	--	--	--	0.1	138.0	7.0	--	86.0	11-20-61
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.2	7.5	4.0	68.0	9.2	4.8	9.5	--	--	0.30	--	--	140.0	6.9	20.0	86.0	10- 9-63
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.7	7.4	2.8	67.0	10.0	4.6	8.5	2300.0	--	0.20	--	--	143.0	7.0	18.9	84.0	3-17-64
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.4	7.9	3.8	68.0	9.6	4.6	10.0	--	--	0.20	--	0.1	140.0	7.0	20.0	87.0	3-18-65
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.2	7.1	3.9	64.0	9.8	4.6	9.8	--	--	0.10	--	--	141.0	7.0	18.0	84.0	5- 4-66
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	16.0	2.2	7.0	3.8	65.0	10.0	4.6	8.7	--	--	--	--	--	135.0	7.0	19.0	84.0	5-23-67
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.4	8.0	4.3	66.0	12.0	5.1	8.6	1400.0	--	0.10	--	--	139.0	6.9	20.0	88.0	5-14-68
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.2	7.4	4.5	64.0	13.0	3.8	8.6	50.0	--	--	--	0.1	144.0	7.1	21.0	86.0	6-17-69
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	15.0	2.6	7.3	5.9	62.0	17.0	4.3	8.5	500.0	--	0.10	--	0.2	138.0	7.2	--	91.0	6- 8-71
40.0378	74.6019	005	211MGRR	US AIR FORCE-MCGUIRE A	16.0	2.5	7.7	4.3	63.0	9.8	5.2	9.3	--	--	--	--	0.2	142.0	7.2	--	86.0	1- 8-74
40.0944	74.8131	005	211MGRR	C R ENGLAND CO	7.8	7.5	10.0	2.8	12.0	33.0	16.0	13.0	27.0	--	--	--	--	184.0	5.7	18.0	119.0	6- 6-80
39.9236	74.8406	005	211MGRR1	MEDFORD 4 OBS	21.0	4.2	17.0	5.8	89.0	21.0	16.0	10.0	3700.0	--	0.20	0.10	0.2	236.0	7.4	--	139.0	9-20-67
39.9236	74.8406	005	211MGRR1	MEDFORD 4 OBS	20.0	4.1	21.0	8.7	95.0	20.0	21.0	8.6	1600.0	--	--	0.09	0.2	263.0	8.3	16.6	152.0	4-21-72
39.9236	74.8406	005	211MGRR1	MEDFORD 4 OBS	17.0	2.8	6.5	6.4	70.0	13.0	3.6	11.0	--	--	0.80	--	0.1	152.0	7.2	17.0	96.0	3- 8-67
39.9353	74.9453	005	211MGRR1	MT LAUREL MUA 1	17.0	3.0	6.2	5.5	57.0	23.0	3.4	9.8	3000.0	100.0	0.30	--	--	155.0	6.6	--	96.0	8-11-66
39.9569	74.9872	005	211MGRR1	MAPLE SHADE WD 5	17.0	4.9	3.0	4.7	64.0	14.0	5.0	13.0	3200.0	--	0.10	--	0.1	146.0	6.4	--	93.0	8-10-66
40.0311	74.9097	005	211MGRR1	WILLINGBORO MUA 4	3.3	1.7	2.2	1.0	16.0	5.5	2.2	10.0	5200.0	--	0.20	--	--	47.0	6.1	13.3	34.0	6-13-61
40.0311	74.9097	005	211MGRR1	WILLINGBORO MUA 4	3.5	1.2	3.1	1.3	12.0	9.6	2.6	10.0	7700.0	--	--	--	--	48.0	6.1	12.3	37.0	8-16-66
39.9236	74.8403	005	211MGRR2	MEDFORD 5 OBS	19.0	3.4	4.0	7.4	80.0	13.0	1.6	9.0	1600.0	--	0.30	--	0.2	163.0	7.6	16.6	98.0	4-29-72
39.9356	74.9456	005	211MGRR2	MT LAUREL MUA2	26.0	4.8	3.1	5.7	81.0	32.0	1.7	10.0	4300.0	--	--	--	--	211.0	6.8	15.0	129.0	8-28-80
39.9506	74.9689	005	211MGRR2	MOORESTOWN TWP WD 6	16.0	3.8	3.0	4.0	46.0	27.0	2.2	10.0	3000.0	--	0.20	--	--	139.0	6.2	--	89.0	8-10-66
39.9578	74.9881	005	211MGRR2	MAPLE SHADE WD 4	14.0	3.8	1.8	2.1	43.0	15.0	3.5	10.0	3100.0	100.0	0.30	--	--	115.0	6.1	--	72.0	8-10-66
39.9642	74.9756	005	211MGRR2	LAYNE-NY CO 1	8.1	3.3	1.8	2.1	34.0	9.4	3.0	13.0	1900.0	100.0	0.20	--	--	86.0	6.1	--	58.0	8-11-66
39.9775	74.7136	005	211MGRR2	PERMUTIT CORP IONAC 3	18.0	2.9	4.0	6.3	73.0	14.0	1.7	8.7	1400.0	--	0.20	--	0.1	145.0	7.0	17.8	91.0	8-16-67
39.9775	74.7136	005	211MGRR2	PERMUTIT CORP IONAC 3	18.0	3.1	3.6	6.2	73.0	14.0	1.2	8.3	1400.0	--	--	--	0.2	154.0	7.2	19.0	91.0	10- 5-71
39.9925	74.9156	005	211MGRR2	MOORESTOWN TWP WD 8	23.0	6.0	3.0	4.6	112.0	14.0	2.0	14.0	8700.0	--	--	0.03	--	209.0	6.6	14.0	131.0	7-11-80
39.9933	74.7819	005	211MGRR2	MT HOLLY WC 6	23.0	3.5	3.2	5.4	86.0	18.0	1.3	8.2	1400.0	--	--	--	--	166.0	7.1	16.5	108.0	10-23-80
39.9933	74.9150	005	211MGRR2	MOORESTOWN TWP WD 4	20.0	5.5	2.5	4.2	74.0	22.0	2.5	8.9	5800.0	--	0.40	0.10	--	166.0	6.6	13.3	103.0	8-18-67
39.9933	74.9150	005	211MGRR2	MOORESTOWN TWP WD 4	21.0	4.8	3.0	4.1	69.0	23.0	2.2	10.0	3000.0	100.0	0.20	--	--	167.0	6.9	--	105.0	8-10-66
40.0053	74.8042	005	211MGRR2	MOUNT HOLLY WC7	27.0	4.8	3.6	6.3	99.0	22.0	1.7	8.3	1900.0	--	--	--	--	211.0	6.9	15.0	125.0	8- 5-80
40.0094	74.6058	005	211MGRR2	US ARMY-FT DIX 1	17.0	2.3	6.7	--	63.0	11.0	2.0	9.0	--	--	0.50	--	0.1	136.0	7.1	18.0	80.0	5-28-51
40.0094	74.6058	005	211MGRR2	US ARMY-FT DIX 1	16.0	2.8	9.0	--	68.0	12.0	1.8	9.8	--	--	0.20	--	0.1	137.0	6.5	18.0	85.0	6-19-59
40.0094	74.6058	005	211MGRR2	US ARMY-FT DIX 1	16.0	2.7	5.1	4.2	65.0	11.0	2.1	8.7	--	--	0.20	--	1.2	141.0	7.3	12.5	83.0	5-24-66
40.0094	74.6058	005	211MGRR2	US ARMY-FT DIX 1	20.0	2.5	3.8	4.7	67.0	12.0	1.6	7.7	2800.0	--	0.90	--	0.2	135.0	7.6	--	86.0	7- 8-69
40.0114	74.8025	005	211MGRR2	MT HOLLY WC 5	27.0	4.2	1.9	3.2	96.0	14.0	1.6	8.4	1500.0	--	0.60	--	--	201.0	7.3	15.0	108.0	8-15-66
40.0150	74.8950	005	211MGRR2	RANCOCAS COUNTRY CLUB 1	29.0	5.8	2.8	5.0	101.7	37.0	1.2	8.5	6900.0	--	--	--	--	246.0	6.7	14.0	147.0	6-17-80
40.0272	74.6314	005	211MGRR2	US ARMY FT DIX 3	17.0	3.5	--	--	64.0	13.0	1.8	8.9	--	--	--	--	--	--	7.0	--	81.0	11-20-43
40.0272	74.6314	005	211MGRR2	US ARMY FT DIX 3	16.0	2.8	3.8	4.1	65.0	12.0	1.5	8.4	--	--	0.20	--	0.1	138.0	7.1	12.0	81.0	5-24-66
40.0275	74.8903	005	211MGRR2	WILLINGBORO MUA 3	28.0	2.7	2.6	2.1	67.0	19.0	9.0	8.2	160.0	100.0	0.20	--	1.0	181.0	6.8	--	106.0	8-11-66
40.0328	74.8853	005	211MGRR2	WILLINGBORO MUA 7	28.0	3.0	1.4	1.7	70.0	19.0	4.3	8.2	130.0	--	0.20	--	1.1	181.0	7.8	--	101.0	8-11-66
40.0403	74.9006	005	211MGRR2	WILLINGBORO MUA 1	13.0	6.8	8.1	2.7	5.0	31.0	26.0	11.0	10.0	--	--	0.03	--	205.0	5.2	14.0	139.0	6-18-80
40.0450	74.7064	005	211MGRR2	RHODIA CORP. 1 OBS	19.0	3.4	2.9	4.2	68.0	16.0	1.4	8.3	3100.0	--	0.10	0.06	0.1	154.0	7.0	16.0	89.0	4-28-72
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	14.0	2.2	4.0	3.0	57.0	7.6	2.5	8.2	3300.0	--	0.40	--	0.2	117.0	6.6	20.0	70.0	10- 9-63
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	13.0	1.9	7.2	1.5	56.0	10.0	3.6	13.0	--	--	0.20	--	0.4	126.0	7.8	18.5	79.0	3-17-64
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	13.0	2.9	4.4	2.5	56.0	10.0	2.2	9.0	--	--	0.10	--	--	114.0	6.8	20.0	72.0	3-18-65
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	13.0	2.5	3.7	3.2	52.0	11.0	3.0	8.8	--	--	0.10	--	0.1	116.0	6.8	--	70.0	8- 9-66
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	14.0	2.4	3.9	3.0	54.0	11.0	2.7	8.4	--	--	--	--	0.1	110.0	7.0	--	72.0	8-25-66
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	14.0	2.2	3.5	3.1	52.0	10.0	2.4	8.0	--	--	--	--	--	112.0	6.7	20.0	69.0	5-23-67

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved colidc	Collection date
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	14.0	2.2	3.8	3.2	52.0	11.0	2.6	8.9	2300.0	--	0.20	--	0.1	113.0	6.8	18.0	72.0	5-14-68
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	14.0	2.6	4.2	3.8	50.0	9.3	5.2	11.0	4300.0	--	0.10	--	0.1	105.0	6.8	18.3	75.0	5-14-70
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	13.0	2.3	3.5	3.3	44.0	6.9	5.5	7.4	1150.0	--	--	--	0.2	114.0	6.8	--	64.0	6- 8-71
40.0500	74.5881	005	211MGRR2	US AIR FORCE-MCGUIRE B	15.0	2.2	4.3	3.2	51.0	9.4	2.9	8.7	--	--	--	--	0.2	113.0	6.9	--	71.0	1- 8-74
40.0522	74.8903	005	211MGRR2	WILLINGBORO MUA DCB-28	5.7	2.3	3.6	2.8	6.0	14.0	16.0	4.3	500.0	--	--	--	0.1	103.0	5.4	13.0	52.0	4-21-76
40.0594	74.9189	005	211MGRR2	DAYMENN CONVERTING	12.0	11.0	11.0	2.9	11.0	40.0	25.0	12.0	290.0	--	--	--	--	250.0	5.2	16.5	147.0	6-19-80
40.0653	74.8025	005	211MGRR2	NJ DOT-RT295 REST AREA 1	25.0	5.1	4.5	3.8	103.0	16.0	2.9	9.4	7600.0	--	--	0.06	--	210.0	6.7	14.0	126.0	7-17-80
40.0678	74.9222	005	211MGRR2	DELAWARE VALLEY WC 15	10.0	9.4	--	--	13.0	46.0	11.0	--	--	--	26.00	0.10	--	210.0	7.2	14.0	--	4-16-69
40.0678	74.9222	005	211MGRR2	DELAWARE VALLEY WC 15	9.4	9.1	9.4	3.9	14.0	42.0	12.0	12.0	35.0	--	--	--	--	207.0	5.5	13.5	137.0	6-30-80
40.0692	74.8797	005	211MGRR2	TENNECO CHEM 7	11.0	6.5	6.4	2.0	3.0	55.0	11.0	9.2	6700.0	--	--	--	--	212.0	4.8	13.5	127.0	6-20-80
40.0714	74.8825	005	211MGRR2	TENNECO CHEM 3	24.0	14.0	25.0	3.3	55.0	83.0	30.0	7.4	290.0	--	--	--	--	389.0	5.9	15.0	225.0	6-20-80
40.0814	74.8558	005	211MGRR2	BURLINGTON CITY WD 3	23.0	10.0	14.0	10.0	88.0	38.0	20.0	10.0	--	--	5.90	--	0.2	318.0	7.2	13.0	178.0	5-24-51
40.0814	74.8558	005	211MGRR2	BURLINGTON CITY WD 3	22.0	9.5	16.0	9.2	84.0	53.0	10.0	11.0	6200.0	--	--	0.06	--	317.0	6.3	14.5	191.0	6-12-80
40.0900	74.8308	005	211MGRR2	HERCLUES POWDER CO 1	3.6	1.5	2.8	0.5	3.0	14.0	3.2	12.0	710.0	--	0.80	--	--	49.1	5.6	12.8	40.0	5- 3-51
40.0900	74.8308	005	211MGRR2	HERCLUES POWDER CO 1	8.2	4.1	7.2	1.6	20.0	28.0	8.5	9.6	3800.0	--	0.20	--	--	125.0	7.0	13.3	77.0	6-30-67
40.0919	74.7417	005	211MGRR2	WALDER, THOMAS	21.0	3.5	3.4	3.8	78.0	13.0	3.1	8.7	5200.0	--	--	--	--	170.0	6.6	14.5	101.0	7-29-80
40.0922	74.8092	005	211MGRR2	JAMES WORKMAN 1	9.6	8.5	5.0	2.5	10.0	42.0	13.0	6.2	6700.0	--	9.00	--	--	172.0	7.0	12.8	101.0	7- 3-67
40.1017	74.7928	005	211MGRR2	HUNT BROS CIRCUS	9.3	9.7	14.0	3.0	3.0	48.0	30.0	10.0	820.0[4]	--	--	--	--	248.0	4.9	13.5	127.0	6- 6-80
40.1033	74.8147	005	211MGRR2	HOOKER CHEM CO-PROD 1	6.1	4.3	4.2	1.7	5.0	25.0	6.5	11.0	7.0	--	--	--	--	110.0	5.2	12.5	69.0	6-26-80
40.1089	74.7094	005	211MGRR2	TRNPKE JCT IND PARK 1	25.0	3.8	2.4	3.8	80.0	18.0	1.8	8.5	5300.0	--	0.10	--	0.1	172.0	6.9	14.0	103.0	10- 4-71
40.1186	74.8125	005	211MGRR2	FLORENCE TWP WD 2	16.0	9.6	18.0	2.7	43.0	37.0	27.0	9.0	7.0[4]	--	--	0.06	--	272.0	6.1	14.0	152.0	6-12-80
40.133[illegible]	74.7192	005	211MGRR2	NJ DEPT DEF-NAT GUARD 1	18.0	3.0	2.5	1.1	56.0	16.0	2.1	7.2	6600.0	--	--	--	0.2	129.0	7.9	15.0	78.0	7- 3-67
40.13[illegible]	74.7192	005	211MGRR2	NJ DEPT DEF-NAT GUARD 1	17.0	3.3	2.2	2.7	54.0	17.0	2.0	8.7	8100.0	--	0.10	--	0.1	134.0	6.6	13.0	80.0	10- 4-71
40.1525	74.7078	005	211MGRR2	OCEAN SPRAY 1	17.0	3.2	3.1	2.4	75.0	12.0	2.1	10.0	6000.0	--	--	--	--	157.0	6.6	13.5	93.0	6- 5-80
39.8878	74.8294	005	211MGRR3	MEDFORD WC 4	22.0	5.8	5.8	8.8	102.0	18.0	0.9	8.5	230.0	--	0.10	--	0.2	205.0	7.9	--	120.0	10-15-71
39.8933	74.9111	005	211MGRR3	EVESHAM MUN UTIL AUTH 1	31.0	7.7	2.5	8.8	103.0	35.0	1.2	8.7	390.0	100.0	1.20	--	--	252.0	7.1	--	167.0	8-11-66
39.8956	74.9175	005	211MGRR3	EVESHAM MUN UTIL AUTH 2	31.0	7.6	3.5	7.0	112.0	36.0	0.6	8.0	350.0	--	0.80	--	0.1	255.0	7.7	--	150.0	8-11-66
39.9036	74.8228	005	211MGRR3	MEDFORD WC 3	24.0	5.6	9.0	8.2	106.0	19.0	8.6	9.1	460.0	--	0.20	--	--	205.0	7.9	--	136.0	8-12-66
39.9233	74.8403	005	211MGRR3	MEDFORD 1 OBS	27.0	6.3	5.2	7.3	114.0	21.0	1.7	9.3	2100.0	--	0.10	--	0.1	244.0	7.7	15.0	134.0	10- 8-63
39.9233	74.8403	005	211MGRR3	MEDFORD 1 OBS	26.0	6.3	4.4	7.8	107.0	23.0	1.0	8.2	600.0	--	--	0.06	0.2	222.0	8.0	15.4	130.0	4-20-72
39.9314	74.9600	005	211MGRR3	FELLOWSHIP MOTOR LODGE	27.0	5.8	3.0	6.3	92.0	39.0	0.9	9.6	5100.0	--	--	--	--	233.0	6.7	15.0	143.0	8-20-80
39.9417	74.9819	005	211MGRR3	MAPLE SHADE WC 9	21.0	5.7	2.8	5.1	80.0	36.0	1.2	13.0	13000.0	--	--	--	--	205.0	6.7	14.0	138.0	8-29-80
39.9569	74.9872	005	211MGRR3	MAPLE SHADE WD 2	17.0	4.9	3.0	4.7	64.0	14.0	5.0	13.0	--	--	0.10	--	0.1	146.0	6.4	--	93.0	8-10-66
39.9578	74.9178	005	211MGRR3	NJ TURNPIKE AUTH-MAINT 2	27.0	5.4	3.0	6.6	105.0	22.0	1.2	11.0	2400.0	--	--	0.28	--	221.0	7.2	14.5	131.0	9- 8-80
39.9750	74.8839	005	211MGRR3	WILLIAM HAINES JR-FARM 2	37.0	6.2	3.7	8.5	117.0	34.0	4.0	8.1	900.0	--	0.30	0.07	0.2	273.0	7.8	16.0	160.0	8-26-69
39.9775	74.7136	005	211MGRR3	PERMUTIT CORP IONAC 2	20.0	3.8	3.2	6.2	88.0	11.0	1.1	7.6	970.0	--	0.20	0.10	--	161.0	7.2	16.1	96.0	8-16-67
39.9775	74.7136	005	211MGRR3	PERMUTIT CORP IONAC 2	21.0	3.8	3.0	6.0	88.0	10.0	1.0	8.8	1100.0	--	0.10	--	0.1	163.0	7.1	16.0	97.0	10- 5-71
39.9806	74.8883	005	211MGRR3	NJ TURNPIKE AUTH 4N-1	35.0	6.1	3.4	7.2	120.0	33.0	0.9	8.3	780.0	--	--	--	--	259.0	7.6	15.0	154.0	9- 8-80
39.9931	74.7808	005	211MGRR3	MT HOLLY WC 3	27.0	3.9	2.7	5.6	100.0	13.0	1.0	8.7	1200.0	--	--	0.03	--	181.0	7.2	14.5	113.0	10-23-80
39.9931	74.7808	005	211MGRR3	MT HOLLY WC 3	31.0	5.4	2.1	3.2	94.0	32.0	1.0	7.3	2000.0	--	0.20	--	0.1	182.0	7.3	--	129.0	8-15-66
40.0325	74.8053	005	211MGRR3	BURLINGTON COUNTY CLUB 1	26.0	4.4	3.0	5.6	103.0	13.0	1.1	8.6	1500.0	--	--	--	--	191.0	6.8	14.0	115.0	8- 6-80
40.0425	74.8203	005	211MGRR3	BEST WESTERN MOTEL #2	--	--	51.0	1.4	110.0	10.0	1.4	8.5	21.0	--	--	0.34	--	183.0	7.5	15.0	127.0	8- 5-80
40.0469	74.8181	005	211MGRR3	RUSSELL DEACON 1	27.0	4.5	4.5	4.0	98.0	16.0	2.1	8.4	7200.0	--	--	0.10	0.1	188.0	7.9	14.4	115.0	7- 3-67
40.0489	74.6864	005	211MGRR3	HELIS STOCK FARM 3	23.0	2.9	2.0	4.1	83.0	7.5	1.6	8.2	30.0	--	--	0.03	--	142.0	7.1	20.0	91.0	10-22-80
40.0567	74.6642	005	211MGRR3	I W TALLMAN 1	20.0	3.1	2.1	4.1	82.0	7.1	1.9	7.3	8800.0	--	--	0.10	--	144.0	7.8	18.9	86.0	6-30-67
40.0572	74.8283	005	211MGRR3	BURLINGTON TWP WD 1-1973	26.0	4.7	3.2	5.0	99.0	20.0	2.3	10.0	2800.0	--	--	0.15	--	208.0	6.0	14.5	124.0	6-12-80
40.0578	74.7767	005	211MGRR3	INTSTATE STOR+PIPELN CO	34.0	5.2	2.7	6.0	120.0	22.0	1.6	7.1	1000.0	--	0.40	--	--	230.0	7.9	18.3	138.0	6-30-67
40.0578	74.7767	005	211MGRR3	INTSTATE STOR+PIPELN CO	33.0	5.0	2.6	5.4	128.0	18.0	1.8	7.9	1100.0	--	--	0.03	--	240.0	7.5	14.0	141.0	6-19-80
40.0700	74.7231	005	211MGRR3	COLUMBUS WC 2	28.0	4.5	2.6	5.5	103.0	12.0	1.2	8.4	--	--	0.50	--	0.1	190.0	7.6	14.0	114.0	5-22-51
40.0700	74.7231	005	211MGRR3	COLUMBUS WC 2	27.0	3.9	2.7	5.4	101.0	13.0	1.9	7.1	760.0	--	0.40	--	--	185.0	7.0	13.3	111.0	8-16-67
40.0700	74.7231	005	211MGRR3	COLUMBUS WC 2	28.0	3.6	2.2	5.1	104.0	11.0	1.0	8.1	1600.0	--	--	--	--	183.0	7.2	14.0	112.0	10-22-80
40.0700	74.7231	005	211MGRR3	COLUMBUS WC-TEST 1969	27.0	4.0	2.3	5.1	98.0	14.0	1.0	7.6	1900.0	--	0.10	--	0.1	193.0	7.1	15.0	110.0	10- 5-71
40.0753	74.7472	005	211MGRR3	H LISEHORA-GARAGE WELL	61.0	8.6	4.1	6.9	168.0	63.0	1.9	8.6	2600.0	--	--	--	--	396.0	7.2	14.0	241.0	9-25-80
40.0875	74.6858	005	211MGRR3	N BURL CO HIGH SCHOOL 1	24.0	3.8	4.1	3.8	107.0	8.8	3.4	10.0	5100.0	--	--	0.18	--	183.0	7.8	15.0	116.0	8-26-80
40.0875	74.6858	005	211MGRR3	N BURL CO HIGH SCHOOL 1	22.0	3.0	2.1	3.7	90.0	9.3	1.9	8.7	4900.0	--	--	0.03	--	154.0	7.0	14.5	100.0	10-22-80
40.1211	74.7078	005	211MGRR3	SANDMAN MOTEL 1	40.0	6.0	2.7	5.1	120.0	36.0	2.0	9.8	--	--	0.10	0.20	--	259.0	8.2	16.0	161.0	7- 3-67
40.1211	75.7078	005	211MGRR3	SANDMAN 1	40.0	6.0	2.7	5.1	120.0	36.0	2.0	9.8	4200.0	--	0.10	0.20	--	259.0	8.2	16.1	161.0	7- 3-67
40.1275	74.7078	005	211MGRR3	INTERSTATE WASTE-MON 8	118.0	18.0	4.6	6.7	244.0	190.0	2.9	19.0	2800.0	--	--	--	--	650.0	7.2	13.0	483.0	10-23-80
40.1303	74.6083	005	211MGRR3	GRAY 1	17.0	2.8	2.5	2.5	60.0	11.0	2.6	9.3	--	--	0.10	--	0.1	128.0	6.5	16.5	78.0	6-13-61
40.1303	74.6083	005	211MGRR3	GRAY 1	16.0	3.1	2.4	2.7	60.0	12.0	2.0	7.6	15000.0	--	0.10	0.10	--	124.0	7.9	16.7	76.0	7- 3-67

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
40.1311	74.6622	005	211MGRR3	E A LIPTAK 1	26.0	3.8	4.7	1.0	91.0	13.0	2.1	9.1	6500.0	--	--	0.10	0.1	174.0	7.8	15.0	105.0	7- 3-67
39.9669	74.6889	005	211MLRW	PEMBERTON BORO WD 3	24.0	4.5	3.0	7.0	101.0	8.1	2.8	13.0	240.0	--	0.10	0.11	0.5	184.0	7.4	14.6	112.0	7- 7-70
39.9672	74.6403	005	211MLRW	BURL CO INST-EVERGREEN 2	24.0	6.8	3.4	7.6	114.0	4.5	2.9	13.0	--	--	0.80	--	--	192.0	7.8	15.0	120.0	8- 8-51
39.9672	74.6403	005	211MLRW	BURL CO INST-EVERGREEN 2	24.0	5.4	3.1	8.8	111.0	5.5	2.8	6.5	2900.0	--	1.50	0.12	0.2	205.0	8.2	16.0	112.0	8-15-69
39.9686	74.6436	005	211MLRW	BUR CO INST-EVERGREEN 3	26.0	5.5	3.5	8.0	112.0	6.3	3.0	8.0	180.0	--	0.90	0.16	0.3	203.0	8.2	17.0	117.0	8-15-69
39.6997	74.9533	007		WINSLOW SC TW 3-0-11	5.5	2.4	56.0	1.0	49.0	41.0	39.0	11.0	930.0	--	--	--	--	356.0	6.7	22.2	181.0	8-16-74
39.7003	74.9517	007		WINSLOW SC TW 5-1-16	5.6	1.3	50.0	5.0	54.0	51.0	32.0	7.0	10.0	--	--	--	--	348.0	6.5	--	179.0	8-14-74
39.7003	74.9517	007		WINSLOW SC TW 5-0-5	4.0	0.8	51.0	3.1	22.0	45.0	40.0	5.7	70.0	--	--	--	--	335.0	5.2	--	161.0	8-14-74
39.9892	75.0361	007		PENNSAUKN LANDFILL MON 1	28.0	13.0	29.0	16.0	61.0	71.0	65.0	11.0	340.0	--	--	0.03	--	442.0	5.6	15.0	271.0	10-29-80
39.8986	75.1272	007	112CPMY	GLOU CITY CG BASE-USGS 3	21.0	6.3	20.0	3.1	50.0	52.0	28.0	2.3	2500.0	--	--	--	--	303.0	6.0	22.5	178.0	7-23-80
39.6847	74.8594	007	112PLCC	NJDIA-ANCORA STATE HOS 4	0.8	0.2	2.8	0.5	3.0	3.6	2.3	8.2	130.0	--	0.60	--	0.1	19.0	5.5	15.0	21.0	8- 2-60
39.6853	74.8564	007	112PLCC	NJDIA-ANCORA STATE HOS 5	0.8	0.5	3.0	0.2	3.0	3.6	3.1	7.4	40.0	--	0.60	--	--	20.0	5.2	12.8	20.0	8-22-61
39.6853	74.8564	007	112PLCC	NJDIA-ANCORA STATE HOS 5	0.8	0.5	1.5	0.8	5.0	--	2.9	6.6	120.0	--	0.50	--	--	23.0	5.4	12.5	16.0	2-20-64
39.7381	74.9272	007	112PLCC	CERTAIN TEED 1	0.3	0.4	1.4	0.6	4.0	--	2.2	5.7	100.0	--	1.00	--	--	24.0	6.6	14.0	14.0	11- 6-69
39.7939	74.9372	007	112PLCC	BERLIN BORO WD 5	24.0	4.1	3.4	4.9	99.0	9.0	1.6	11.0	180.0	--	0.29	--	0.2	179.0	7.7	--	107.0	2-15-64
39.7011	74.8225	007	121CNSY	MULLICA 168	3.5	1.3	1.9	0.4	2.0	10.0	3.7	4.1	40.0	--	0.09	--	0.1	45.0	4.7	10.5	26.0	3-10-78
39.7042	74.9381	007	122KRKD	NEW BROOKLYN PARK 4 OBS	10.0	1.5	68.0	12.0	206.5	22.0	2.2	11.0	7700.0	--	0.40	--	--	360.0	8.9	12.2	213.0	2-15-64
39.7042	74.9381	007	122KRKD	NEW BROOKLYN PARK 4 OBS	8.8	1.2	13.0	2.0	3.0	56.0	2.6	15.0	6000.0	16000.0	0.20	--	0.3	167.0	5.1	12.2	103.0	2- 7-64
39.6825	74.8664	007	124MHSQ	NJDIA-ANCORA STATE HOS 2	8.8	3.2	48.0	7.5	165.0	10.0	1.2	9.8	--	--	0.30	--	0.4	267.0	7.6	14.0	171.0	2-20-64
39.6825	74.8664	007	124MHSQ	NJDIA-ANCORA STATE HOS 2	9.2	2.6	44.0	7.3	157.1	12.0	2.0	9.6	--	--	0.40	0.20	0.6	256.0	8.6	13.0	165.0	4-25-69
39.6794	74.8689	007	124VCHQ	NJDIA-ANCORA STATE HOS 1	9.0	3.3	44.0	6.0	160.0	10.0	2.0	12.0	80.0	--	0.70	--	0.4	265.0	8.0	13.9	166.0	8-22-61
39.8089	74.9875	007	211EGLS	CLEMENTON BORO WD 8	25.0	3.0	1.8	3.8	86.0	8.4	2.0	12.0	350.0	--	--	0.23	0.2	167.0	8.0	17.0	99.0	9-11-69
39.8089	74.9875	007	211EGLS	CLEMENTON BORO WD 8	24.0	2.7	2.4	3.5	86.0	9.0	1.8	15.0	110.0	--	0.30	--	0.1	162.0	7.9	15.5	101.0	4-24-51
39.8089	74.9875	007	211EGLS	CLEMENTON BORO WD 8	25.0	2.7	1.7	3.5	89.0	8.2	2.2	12.0	210.0	--	--	--	0.2	164.0	7.8	--	99.0	3- 3-64
39.8747	74.9561	007	211EGLS	SNYDER, HAROLD	25.0	3.5	1.6	3.6	90.0	7.7	2.1	15.0	--	--	0.40	--	0.4	162.0	7.5	16.0	104.0	10-10-57
39.8406	75.0839	007	211MCVL	EDWARD MARSH	26.0	3.5	3.4	5.1	106.0	3.9	0.8	11.0	120.0	--	--	0.12	0.6	181.0	8.3	--	106.0	11- 6-69
39.7042	74.9381	007	211MGRR	NEW BROOKLYN PARK 1 OBS	11.0	2.4	229.0	5.0	168.0	6.9	298.0	1.1	--	--	0.30	--	1.6	1220.0	8.1	24.0	638.0	4- 6-67
39.7042	74.9381	007	211MGRR	NEW BROOKLYN PARK 1 OBS	10.0	2.4	240.0	5.8	162.0	5.3	283.0	12.0	680.0	--	0.90	0.19	1.9	1110.0	7.6	22.0	642.0	4-27-72
39.7939	74.9372	007	211MGRR	BERLIN BORO WD 9	15.0	5.6	18.0	8.8	108.0	19.0	1.6	9.1	180.0	--	--	--	0.2	212.0	7.9	19.4	131.0	8-23-66
39.7939	74.9372	007	211MGRR	BERLIN BORO WD 10	15.0	5.1	18.0	9.3	105.0	19.0	1.0	9.0	160.0	--	0.80	--	0.3	215.0	7.5	19.0	130.0	10- 6-71
39.8017	75.0739	007	211MGRR	GARDEN ST WC-BLACKWOOD 1	11.0	3.3	31.0	4.5	114.0	15.0	2.6	9.9	230.0	--	1.20	--	0.6	214.0	7.7	16.1	135.0	8- 1-60
39.8017	75.0739	007	211MGRR	GARDEN ST WC-BLACKWOOD 1	12.0	3.2	24.0	6.8	107.0	15.0	3.1	9.1	140.0	--	--	0.20	--	201.0	8.0	15.5	126.0	8-25-66
39.8447	75.0981	007	211MGRR	NEW JERSEY WC-SOMRDAL 14	18.0	4.5	11.0	7.6	84.0	23.0	4.4	9.1	990.0	--	0.20	--	0.2	185.0	7.5	15.0	120.0	8-17-66
39.8447	75.0981	007	211MGRR	NEW JERSEY WC-SOMRDAL 14	19.0	4.4	13.0	7.3	93.0	17.0	1.8	8.8	150.0	--	0.60	--	0.3	191.0	7.5	--	118.0	2-20-64
39.8975	74.9506	007	211MGRR	NEW JERSEY WC-OLD ORCH36	33.0	7.3	4.1	8.5	119.0	35.0	0.8	8.3	420.0	--	--	--	--	252.0	7.8	15.5	157.0	8-21-80
39.8986	75.1272	007	211MGRR	GLOU CITY CG BASE-USGS 2	15.0	6.5	9.9	2.6	46.0	33.0	15.0	4.8	3700.0	--	--	--	0.3	228.0	6.4	13.1	114.0	4-29-76
39.8986	75.1272	007	211MGRR	GLOU CITY CG BASE-USGS 2	15.0	5.2	12.0	2.5	73.0	19.0	17.0	5.1	7200.0	--	--	0.03	--	228.0	6.6	14.5	120.0	7-23-80
39.8986	75.1272	007	211MGRR	GLOU CITY CG BASE-USGS 2	13.0	4.4	9.9	2.4	38.0	32.0	13.0	4.8	4200.0	--	--	--	0.3	172.0	6.5	15.3	103.0	6-26-75
39.9525	75.1042	007	211MGRR	NJDEP-HARRISON AVE 2	62.0	100.0	670.0	100.0	1930.0	15.0	500.0	9.1	21000.0	--	--	--	--	4200.0	6.7	20.0	2430.0	8- 7-80
39.9550	75.1014	007	211MGRR	NJDEP-HARRISON AVE 6	67.0	25.0	27.0	3.5	192.0	170.0	14.0	7.0	53.0	--	--	--	--	691.0	6.4	15.5	416.0	8- 7-80
39.9867	75.0467	007	211MGRR	PENNSAUKN LANDFILL MON 4	8.8	7.1	7.5	3.9	--	42.0	16.0	7.6	65.0	--	--	--	--	169.0	4.7	16.0	101.0	10-29-80
39.8417	75.0631	007	211MGRR1	NEW JERSEY WC-OTTERBK 29	12.0	2.7	20.0	6.2	84.0	12.0	8.1	9.4	420.0	--	--	0.21	--	173.0	7.6	17.5	113.0	8-22-80
39.8719	75.1106	007	211MGRR1	BELLMAWR BORO WD 3	13.0	2.8	22.0	4.6	88.0	17.0	8.8	10.0	680.0	--	0.40	--	0.3	195.0	7.6	16.1	122.0	8- 1-60
39.8719	75.1106	007	211MGRR1	BELLMAWR BORO WD 3	13.0	3.0	20.0	6.5	88.0	15.0	7.8	9.6	540.0	--	--	--	0.3	191.0	7.7	14.9	137.0	3-27-62
39.8719	75.1106	007	211MGRR1	BELLMAWR BORO WD 3	13.0	3.0	19.0	6.8	85.0	16.0	7.4	8.7	480.0	--	0.60	--	0.2	188.0	7.6	16.7	117.0	8-19-66
39.8719	75.1106	007	211MGRR1	BELLMAWR BORO WD 3	16.0	3.6	17.0	8.0	93.2	18.0	5.9	8.8	380.0	--	--	0.03	--	208.0	7.2	14.5	125.0	7- 2-80
39.8772	75.0544	007	211MGRR1	NEW JERSEY WC-HADDON 15	19.0	3.9	9.5	7.4	85.0	21.0	3.8	9.0	750.0	--	--	0.03	--	192.0	7.4	16.0	118.0	8-22-80
39.8772	75.0544	007	211MGRR1	NEW JERSEY WC-HADDON 15	18.0	3.8	11.0	6.8	86.0	19.0	4.4	8.9	730.0	--	0.20	--	0.2	184.0	7.1	15.6	115.0	8-17-66
39.8794	75.0758	007	211MGRR1	NJ WC-EGBERT STA OBS	14.0	3.1	14.0	7.4	74.0	14.0	4.4	8.5	1000.0	--	--	--	0.2	195.0	7.5	14.5	103.0	9- 8-77
39.8011	74.9953	007	211MGRR1	NEW JERSEY WC-BROWN 44	20.0	4.0	7.8	7.6	88.0	18.0	3.3	9.3	740.0	--	--	--	--	189.0	7.6	17.5	116.0	8-21-80
39.8869	75.1344	007	211MGRR1	NJ ZINC CO 3-DEEP	46.0	10.0	30.0	12.0	241.0	9.8	20.0	10.0	3100.0	15.0	4.50	0.02	0.3	439.0	7.3	14.4	261.0	5-14-71
39.8869	75.1344	007	211MGRR1	NJ ZINC CO 3-DEEP	59.0	15.0	36.0	12.0	275.0	30.0	38.0	12.0	5900.0	--	--	--	--	613.0	6.5	14.5	344.0	3-28-75
39.8886	75.0278	007	211MGRR1	HADDONFLD BORO WD-RULON	20.0	4.8	8.8	8.4	91.0	21.0	4.0	9.1	1300.0	--	--	--	0.1	197.0	7.5	16.1	121.0	8-22-66
39.8886	75.0278	007	211MGRR1	HADDONFLD BORO WD-RULON	21.0	4.5	9.0	8.0	100.0	22.0	3.6	9.3	1500.0	--	--	--	--	223.0	7.0	16.0	130.0	7- 9-80
39.8922	75.1261	007	211MGRR1	HINDE AND DAUCH-JERSEY 1	22.0	5.2	15.0	7.4	67.0	38.0	21.0	15.0	3600.0	--	0.20	--	--	253.0	6.3	13.9	157.0	8-31-66
39.8953	75.1144	007	211MGRR1	GLOUCESTER CITY WD 42	16.0	3.6	16.0	5.8	50.0	39.0	21.0	10.0	4100.0	--	--	0.12	--	250.0	6.2	15.0	142.0	7- 7-80
39.8964	75.1142	007	211MGRR1	GLOUCESTER CITY WD 38	28.0	6.6	14.0	8.8	78.0	51.0	18.0	14.0	3900.0	--	0.20	--	--	293.0	6.8	14.4	179.0	8-31-66
39.8964	75.1142	007	211MGRR1	GLOUCESTER CITY WD 38	20.0	3.3	11.0	7.3	78.0	26.0	5.8	10.0	30.0	--	0.50	--	0.2	201.0	7.2	13.3	123.0	3-22-51
39.8964	75.1142	007	211MGRR1	GLOUCESTER CITY WD 38	31.0	7.7	11.0	10.0	93.0	50.0	9.7	11.0	3400.0	--	0.50	--	--	289.0	7.0	--	177.0	4-24-62
39.8964	75.1142	007	211MGRR1	GLOUCESTER CITY WD 38	28.0	7.1	12.0	6.0	96.0	42.0	8.6	11.0	2800.0	--	0.20	--	0.1	263.0	7.0	13.9	162.0	8-31-61

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.8969	75.1142	007	211MGRR1	GLOUCESTER CITY WD 40	22.0	4.6	11.0	4.9	85.0	28.0	4.0	9.9	2600.0	--	0.30	--	--	233.0	7.1	13.9	127.0	4-12-63
39.8969	75.1142	007	211MGRR1	GLOUCESTER CITY WD 40	18.0	3.2	12.0	6.0	79.0	23.0	5.2	11.0	1600.0	--	0.40	--	0.1	186.0	7.1	13.9	118.0	8-31-61
39.8969	75.1142	007	211MGRR1	GLOUCESTER CITY WD 40	20.0	6.3	9.5	6.6	87.0	27.0	4.8	9.9	1000.0	--	--	--	--	219.0	7.0	13.9	127.0	10- 2-62
39.8969	75.1142	007	211MGRR1	GLOUCESTER CITY WD 40	22.0	5.2	12.0	7.8	80.0	33.0	11.0	12.0	2800.0	--	--	--	--	235.0	6.8	13.3	143.0	8-31-66
39.8986	75.1272	007	211MGRR1	GLOU CITY CG BASE-USGS 1	33.0	7.9	17.0	5.9	157.0	8.9	20.0	6.6	6500.0	--	--	--	0.4	328.0	6.8	14.8	184.0	6-26-75
39.9008	75.0561	007	211MGRR1	HADDON TWP WD 2	22.0	5.4	7.1	7.8	88.0	28.0	3.8	9.5	4200.0	--	--	--	--	205.0	6.9	14.4	127.0	8-23-66
39.9017	75.0547	007	211MGRR1	HADDON TWP WD 1	22.0	5.0	7.2	7.4	86.0	29.0	3.8	9.1	210.0	--	--	--	--	200.0	7.3	--	126.0	8-23-66
39.9072	75.0872	007	211MGRR1	COLLINGSWOOD BORO WD 7	23.0	4.8	6.0	7.2	82.0	28.0	2.8	9.1	3000.0	100.0	0.30	--	0.1	201.0	6.7	14.4	122.0	8-23-66
39.9072	75.0872	007	211MGRR1	COLLINGSWOOD BORO WD 7	28.0	6.1	5.9	6.9	104.4	30.0	7.0	9.7	2700.0	--	--	--	--	258.0	6.6	14.0	149.0	7- 7-80
39.9153	75.1211	007	211MGRR1	SJ PORT COMM NJ SHIP 7	20.0	4.5	17.0	4.1	48.0	23.0	23.0	5.9	3900.0	6.0[5]	1.10	0.07	--	226.0	7.5	14.9	132.0	7-14-71
39.9219	75.0756	007	211MGRR1	COLLINGSWOOD BORO WD 2	22.0	5.0	3.3	4.4	79.3	27.0	5.3	11.0	3000.0	--	--	0.06	--	201.0	6.4	14.0	121.0	7- 7-80
39.9228	75.0756	007	211MGRR1	COLLINGSWOOD BORO WD 3	18.0	6.0	2.8	4.0	64.0	23.0	4.2	11.0	810.0	--	0.20	--	0.1	163.0	6.7	13.3	101.0	8-23-66
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	16.0	5.1	5.5	3.6	47.0	28.0	8.0	11.0	1200.0	--	0.10	--	--	173.0	6.3	13.9	101.0	10- 2-62
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	17.0	5.1	5.6	3.2	49.0	30.0	8.4	11.0	1300.0	--	0.80	--	0.3	174.0	6.3	14.2	106.0	8-13-63
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	16.0	5.1	6.0	3.2	45.0	29.0	7.0	12.0	1400.0	--	0.90	--	--	185.0	6.2	13.3	101.0	4-12-63
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	16.0	5.2	6.3	4.0	45.0	31.0	9.1	10.0	1600.0	--	0.90	--	--	170.0	6.3	13.3	105.0	8-24-66
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	18.0	5.0	7.2	3.6	49.0	34.0	8.2	11.0	2400.0	--	0.20	--	0.1	175.0	6.4	13.3	111.0	8- 3-60
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	16.0	5.7	5.4	3.5	46.0	31.0	8.8	11.0	1600.0	--	0.20	--	0.1	170.0	6.3	13.9	105.0	8-31-61
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	16.0	5.0	5.4	4.0	46.0	28.0	7.8	11.0	1400.0	--	0.40	--	0.1	167.0	6.1	--	100.0	4-24-62
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	21.0	6.7	14.0	4.7	32.0	52.0	22.0	12.0	1800.0	--	--	0.21	--	271.0	5.7	14.5	159.0	7-30-80
39.9294	75.0925	007	211MGRR1	CAMDEN CITY WD-CITY 17	16.0	4.8	8.4	4.1	42.0	32.0	11.0	11.0	1300.0	9.0[5]	1.90	0.01	--	181.0	7.2	13.5	110.0	12-22-70
39.9306	75.1247	007	211MGRR1	CAMDEN CITY WD-CITY 28	39.0	17.0	26.0	6.7	122.0	71.0	29.0	8.7	20.0	--	20.00	--	0.1	482.0	6.9	--	278.0	12-22-49
39.9325	75.0931	007	211MGRR1	CAMDEN CITY WD-CITY 13	22.0	8.8	17.0	3.0	105.0	21.0	19.0	7.8	100.0	--	0.10	--	0.5	291.0	7.1	15.3	153.0	1-11-51
39.9325	75.0931	007	211MGRR1	CAMDEN CITY WD-CITY 13	9.8	3.5	5.0	2.8	30.0	14.0	10.0	15.0	970.0	--	4.00	--	0.1	118.0	6.3	13.9	79.0	8-31-61
39.9325	75.0931	007	211MGRR1	CAMDEN CITY WD-CITY 13	9.8	3.0	5.2	3.0	26.0	15.0	9.0	14.0	1700.0	--	4.20	--	--	117.0	6.1	--	76.0	4-24-62
39.9325	75.0931	007	211MGRR1	CAMDEN CITY WD-CITY 13	9.6	3.4	6.9	2.2	27.0	16.0	9.5	15.0	2100.0	--	4.60	--	--	138.0	6.2	13.3	81.0	4-12-63
39.9325	75.0931	007	211MGRR1	CAMDEN CITY WD-CITY 13	11.0	3.4	5.9	2.4	28.0	16.0	10.0	14.0	1500.0	--	4.50	--	0.2	130.0	6.3	13.8	81.0	8-13-63
39.9325	75.0931	007	211MGRR1	CAMDEN CITY WD-CITY 13	12.0	4.4	11.0	3.3	32.0	24.0	16.0	14.0	930.0	--	5.30	--	--	162.0	6.2	13.3	106.0	8-24-66
39.9325	75.0931	007	211MGRR1	CAMDEN CITY WD-CITY 13	37.0	14.0	47.0	6.2	100.0	110.0	50.0	11.0	1100.0	--	--	0.03	--	557.0	5.8	14.5	331.0	7-30-80
39.9364	75.0961	007	211MGRR1	CAMDEN CITY WD TW8 79	28.0	9.9	28.0	4.7	72.0	75.0	37.0	14.0	4800.0	--	--	--	--	407.0	5.8	14.5	238.0	7-28-80
39.9375	75.1092	007	211MGRR1	CAMDEN CITY WD-CITY 5N	21.0	9.9	29.0	5.6	80.0	60.0	34.0	11.0	2700.0	--	--	--	--	394.0	5.9	16.0	218.0	7-31-80
39.9375	75.1092	007	211MGRR1	CAMDEN CITY WD-CITY 5N	18.0	9.2	22.0	3.9	46.0	48.0	28.0	9.5	100.0	--	4.30	--	0.1	293.0	5.9	15.0	166.0	5- 1-64
39.9375	75.1092	007	211MGRR1	CAMDEN CITY WD-CITY 5N	24.0	10.0	34.0	4.7	57.0	82.0	36.0	12.0	360.0	--	--	0.10	--	398.0	6.3	15.0	239.0	8-24-66
39.9408	75.0678	007	211MGRR1	MERCH-PENN WCOM-BROWN 1	3.0	1.4	4.5	1.1	13.0	4.0	7.0	12.0	2000.0	--	0.70	--	--	48.0	6.1	13.3	40.0	8-19-66
39.9439	75.1061	007	211MGRR1	CAMDEN CITY WD-CITY 1A	24.0	9.4	18.0	3.6	63.0	37.0	36.0	13.0	10.0	--	1.00	--	0.2	306.0	6.0	--	173.0	11-28-49
39.9439	75.1061	007	211MGRR1	CAMDEN CITY WD-CITY 1A	28.0	10.0	42.0	4.5	61.0	81.0	59.0	13.0	4800.0	--	0.20	--	0.1	474.0	6.4	14.4	268.0	8-24-66
39.9478	75.1019	007	211MGRR1	CAMDEN CITY WD-CITY 10	26.0	11.0	10.0	3.1	71.0	38.0	22.0	9.9	20.0	--	11.00	--	--	303.0	7.0	--	166.0	2-16-51
39.9478	75.1019	007	211MGRR1	CAMDEN CITY WD-CITY 10	24.0	11.0	17.0	3.5	51.0	49.0	34.0	9.5	--	--	16.00	--	--	327.0	6.4	--	190.0	7- 3-53
39.9478	75.1019	007	211MGRR1	CAMDEN CITY WD-CITY 10	26.0	12.0	29.0	3.2	50.0	69.0	47.0	10.0	480.0	--	6.10	--	0.1	396.0	6.1	13.9	231.0	4-16-64
39.9497	75.1028	007	211MGRR1	CAMDEN CITY WD-CITY 9	31.0	16.0	12.0	4.6	93.0	68.0	14.0	7.3	700.0	--	14.00	--	--	361.0	6.4	--	214.0	7- 3-53
39.9497	75.1028	007	211MGRR1	CAMDEN CITY WD-CITY 9	21.0	11.0	12.0	3.6	54.0	47.0	12.0	9.4	10.0	--	16.00	--	0.1	274.0	7.4	--	159.0	11-11-49
39.9497	75.1028	007	211MGRR1	CAMDEN CITY WD-CITY 9	39.0	23.0	22.0	4.5	154.0	46.0	38.0	7.8	890.0	--	25.00	--	0.2	519.0	6.4	14.4	287.0	8-31-61
39.9497	75.1028	007	211MGRR1	CAMDEN CITY WD-CITY 9	40.0	22.0	22.0	4.5	134.0	48.0	44.0	8.1	3400.0	--	26.00	--	0.3	504.0	6.5	--	287.0	4-24-62
39.9497	75.1028	007	211MGRR1	CAMDEN CITY WD-CITY 9	43.0	28.0	20.0	4.6	169.0	72.0	42.0	8.3	2700.0	--	3.80	--	0.2	580.0	6.3	14.2	309.0	10- 2-62
39.9497	75.1028	007	211MGRR1	CAMDEN CITY WD-CITY 9	44.0	25.0	24.0	4.4	232.0	44.0	44.0	6.9	3800.0	--	4.10	--	0.2	594.0	6.5	14.4	326.0	8-13-63
39.9497	75.1028	007	211MGRR1	CAMDEN CITY WD-CITY 9	38.0	14.0	23.0	3.6	140.0	21.0	54.0	6.4	6700.0	--	1.70	--	0.5	433.0	6.7	16.7	237.0	8-24-66
39.9542	75.0886	007	211MGRR1	NEW JERSEY WC-CAMDEN 52	24.0	11.0	33.0	4.4	78.0	56.0	39.0	11.0	650.0	--	--	--	--	432.0	5.7	14.5	244.0	8-21-80
39.9556	75.0869	007	211MGRR1	NEW JERSEY WC-CAMDEN 51	30.0	0.6	51.0	2.1	136.0	46.0	23.0	8.4	120.0	--	8.70	--	0.2	393.0	6.9	14.4	237.0	8-31-66
39.9569	75.0892	007	211MGRR1	NEW JERSEY WC-CAMDEN 49	22.0	12.0	12.0	3.1	148.0	0.8	17.0	4.5	15000.0	--	0.20	--	1.0	286.0	6.9	13.3	149.0	8-31-66
39.9764	75.0522	007	211MGRR1	CAMDEN CITY WD-PUCHACK 5	10.0	5.0	5.9	2.3	4.0	37.0	8.9	11.0	200.0	--	11.00	--	0.1	147.0	6.7	12.8	93.0	8- 7-57
39.9764	75.0522	007	211MGRR1	CAMDEN CITY WD-PUCHACK 5	9.6	4.4	7.4	1.7	8.0	32.0	9.6	8.8	--	--	6.20	--	0.1	144.0	5.4	12.6	84.0	8-14-63
39.9764	75.0522	007	211MGRR1	CAMDEN CITY WD-PUCHACK 5	6.0	2.7	4.2	0.5	6.0	16.0	7.5	7.9	140.0	--	7.10	--	--	91.0	5.5	12.8	55.0	5- 8-64
39.9764	75.0522	007	211MGRR1	CAMDEN CITY WD-PUCHACK 5	9.2	4.7	9.0	2.3	11.0	31.0	14.0	7.4	50.0	--	8.00	0.10	0.2	153.0	7.1	13.0	91.0	6-11-61
39.9775	75.0517	007	211MGRR1	CAMDEN CITY WD-PUCHACK 4	5.3	2.3	4.0	0.2	4.0	13.0	6.8	7.7	120.0	--	9.60	--	0.1	86.0	6.6	13.0	51.0	6-11-69
39.9778	75.0503	007	211MGRR1	CAMDEN CITY WD-PUCHACK 3	9.1	4.7	8.4	2.4	6.0	31.0	11.0	9.6	170.0	--	15.00	--	0.1	149.0	6.4	13.3	94.0	8- 7-57
39.9778	75.0503	007	211MGRR1	CAMDEN CITY WD-PUCHACK 3	7.6	4.9	7.4	2.0	12.0	27.0	9.7	7.2	--	--	10.00	--	0.1	139.0	5.7	13.2	82.0	8-14-63
39.9778	75.0503	007	211MGRR1	CAMDEN CITY WD-PUCHACK 3	13.0	6.4	15.0	3.1	39.0	28.0	23.0	6.5	49.0	--	--	0.06	--	240.0	6.3	16.0	123.0	7-21-80
39.9783	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 2	5.0	--	--	--	2.0	2.0	6.0	--	240.0	--	16.00	--	--	--	-	--	--	11-21-32
39.9783	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 2	11.0	6.7	10.0	3.0	22.0	36.0	11.0	7.9	60.0	--	14.00	--	0.1	183.0	5.7	14.4	111.0	8- 7-57
39.9783	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 2	11.0	6.8	8.6	2.5	26.0	29.0	10.0	5.2	30.0	--	12.00	--	0.1	172.0	6.0	13.9	98.0	5- 8-64

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	12.0	7.2	11.0	2.6	13.0	51.0	10.0	5.6	10.0	--	6.90	--	0.1	199.0	5.4	--	113.0	11- 7-49
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	14.0	7.8	10.0	3.0	39.0	40.0	10.0	4.0	--	--	7.50	--	--	198.0	6.5	--	116.0	7- 3-53
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	17.0	8.9	9.9	3.0	66.0	29.0	11.0	5.4	110.0	--	5.70	--	0.1	212.0	7.9	13.3	123.0	8- 7-57
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	13.0	7.8	8.7	2.2	54.0	24.0	9.2	4.6	40.0	--	--	--	--	181.0	6.3	14.8	96.0	10- 2-62
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	13.0	6.1	9.4	1.5	54.0	18.0	8.0	3.9	880.0	--	4.30	--	--	185.0	6.1	13.9	91.0	4-12-63
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	14.0	7.3	8.7	2.0	49.0	26.0	9.8	4.1	180.0	--	5.00	--	0.2	188.0	6.4	14.4	102.0	5- 8-64
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	16.0	10.0	12.0	2.0	53.0	35.0	23.0	3.8	--	--	0.50	--	0.2	235.0	6.5	--	129.0	8-30-66
39.9792	75.0533	007	211MGRR1	CAMDEN CITY WD-PUCHACK 1	16.0	6.9	18.0	2.2	45.0	36.0	27.0	4.1	20.0	--	5.60	--	0.2	245.0	7.6	17.0	138.0	6-11-69
39.9800	75.0631	007	211MGRR1	CAMDEN CITY WD-DELAIR 1	34.0	17.0	14.0	3.4	103.0	101.0	12.0	5.2	--	--	1.00	--	--	403.0	6.9	--	247.0	7- 3-53
39.9800	75.0631	007	211MGRR1	CAMDEN CITY WD-DELAIR 1	19.0	7.9	10.0	2.3	86.0	13.0	12.0	5.0	7400.0	--	4.50	--	0.4	211.0	6.5	13.9	117.0	8- 7-57
39.9800	75.0631	007	211MGRR1	CAMDEN CITY WD-DELAIR 1	18.0	9.7	9.8	2.1	80.0	29.0	11.0	7.3	3200.0	--	--	--	0.2	234.0	6.5	14.8	127.0	10- 1-62
39.9800	75.0631	007	211MGRR1	CAMDEN CITY WD-DELAIR 1	19.0	8.8	12.0	1.7	81.0	30.0	10.0	6.7	6200.0	--	1.10	--	0.2	254.0	6.2	13.9	132.0	4-12-63
39.9800	75.0631	007	211MGRR1	CAMDEN CITY WD-DELAIR 1	14.0	7.6	12.0	2.0	61.0	27.0	7.0	5.6	--	--	12.00	--	--	--	-	--	117.0	11-21-32
39.9800	75.0631	007	211MGRR1	CAMDEN CITY WD-DELAIR 1	18.0	9.0	9.0	1.8	82.0	18.0	14.0	5.1	3600.0	--	0.40	--	0.6	215.0	6.8	15.0	121.0	8-31-61
39.9808	75.0653	007	211MGRR1	CAMDEN CITY WD-DELAIR 2	21.0	15.0	11.0	2.6	145.0	1.0	10.0	11.0	9400.0	--	6.70	--	0.9	267.0	8.2	14.4	151.0	8- 7-57
39.9808	75.0653	007	211MGRR1	CAMDEN CITY WD-DELAIR 2	13.0	5.8	6.2	1.3	60.0	14.0	8.8	5.3	--	--	1.30	--	--	--	-	--	85.0	11-21-32
39.9808	75.0653	007	211MGRR1	CAMDEN CITY WD-DELAIR 2	12.0	4.6	20.0	2.4	46.0	36.0	22.0	6.7	9100.0	--	--	--	--	228.0	6.5	15.0	129.0	8-30-66
39.9814	75.0633	007	211MGRR1	CAMDEN CITY WD-DELAIR 3	17.0	9.6	6.1	2.0	102.0	18.0	8.6	4.7	20.0	--	0.50	--	--	218.0	6.9	--	125.0	7- 3-53
39.9814	75.0633	007	211MGRR1	CAMDEN CITY WD-DELAIR 3	22.0	15.0	11.0	2.6	140.0	3.1	11.0	8.4	11000.0	--	9.00	--	0.6	267.0	8.2	13.9	184.0	8- 7-57
39.9814	75.0633	007	211MGRR1	CAMDEN CITY WD-DELAIR 3	17.0	11.0	17.0	4.0	59.0	40.0	26.0	6.5	100.0	--	8.80	--	0.1	279.0	6.4	13.9	161.0	8-30-66
39.9825	75.0622	007	211MGRR1	CAMDEN CITY WD TW1 79	16.0	5.3	10.0	2.2	68.0	24.0	16.0	6.8	6600.0	--	--	0.03	--	212.0	6.7	17.0	122.0	7-28-80
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	14.0	6.6	8.6	1.2	67.0	21.0	8.0	5.7	3300.0	--	4.80	--	0.1	213.0	6.4	13.9	108.0	4-12-63
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	10.0	4.6	5.0	1.8	32.0	18.0	7.0	3.8	--	--	2.90	--	--	--	-	--	69.0	11-21-32
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	16.0	8.0	8.2	1.7	70.0	28.0	8.5	4.8	3200.0	--	1.30	--	0.1	204.0	6.4	14.4	116.0	10- 1-62
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	15.0	8.7	6.8	2.1	62.0	18.0	7.9	4.8	40.0	--	6.60	--	0.1	182.0	6.4	--	101.0	11- 7-49
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	14.0	8.9	9.0	1.7	68.0	15.0	10.0	5.2	1100.0	--	6.60	--	0.2	184.0	7.1	13.3	104.0	8- 7-57
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	16.0	7.0	16.0	4.9	80.0	30.0	23.0	6.3	5600.0	--	--	--	--	268.0	5.9	14.5	153.0	7-22-80
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	16.0	8.2	10.0	1.5	72.0	23.0	13.0	4.8	1500.0	--	0.50	--	0.3	204.0	6.6	14.4	119.0	8-31-61
39.9839	75.0550	007	211MGRR1	CAMDEN CITY WD-MORRIS 6	14.0	8.9	9.0	2.0	71.0	22.0	9.4	4.1	6800.0	--	3.20	--	0.2	190.0	6.4	14.4	113.0	4-24-62
39.9850	75.0536	007	211MGRR1	CAMDEN CITY WD-MORRIS 9	17.0	10.0	5.2	2.2	110.0	12.0	7.0	3.9	--	--	0.50	--	--	219.0	6.8	--	118.0	7- 3-53
39.9850	75.0536	007	211MGRR1	CAMDEN CITY WD-MORRIS 9	16.0	8.7	5.9	1.9	86.0	10.0	6.5	4.8	--	--	3.80	--	0.2	205.0	6.2	--	100.0	11-28-49
39.9861	75.0519	007	211MGRR1	CAMDEN CITY WD-MORRIS 8	16.0	8.7	5.9	1.9	86.0	10.0	6.5	4.8	10.0	--	3.80	--	0.2	205.0	6.2	--	104.0	11-28-49
39.9861	75.0519	007	211MGRR1	CAMDEN CITY WD-MORRIS 8	19.0	11.0	5.9	2.1	117.0	9.4	8.0	5.1	6600.0	--	0.40	--	0.6	227.0	6.5	20.6	150.0	8- 7-57
39.9861	75.0519	007	211MGRR1	CAMDEN CITY WD-MORRIS 8	17.0	10.0	5.2	2.2	110.0	12.0	7.0	3.9	--	--	0.50	--	--	219.0	6.8	--	118.0	7- 3-53
39.9861	75.0519	007	211MGRR1	CAMDEN CITY WD-MORRIS 8	16.0	7.0	10.0	1.4	41.0	31.0	19.0	5.5	6800.0	--	1.80	--	0.2	211.0	6.3	12.8	112.0	8-30-66
35.9878	75.0508	007	211MGRR1	CAMDEN CITY WD-MORRIS 7	17.0	9.7	5.3	1.3	92.0	8.3	8.0	3.2	--	--	2.00	--	--	--	-	--	100.0	11-21-32
39.9878	75.0508	007	211MGRR1	CAMDEN CITY WD-MORRIS 7	16.0	8.9	5.9	1.3	106.0	4.1	8.0	4.5	--	--	0.64	--	--	--	-	--	106.0	6-26-33
39.9878	75.0508	007	211MGRR1	CAMDEN CITY WD-MORRIS 7	16.0	9.1	6.2	1.2	106.0	5.0	8.0	3.7	--	--	0.72	--	--	--	-	--	107.0	8-14-33
39.9878	75.0508	007	211MGRR1	CAMDEN CITY WD-MORRIS 7	20.0	12.0	4.8	2.3	139.0	5.2	7.2	3.8	--	--	0.30	--	0.1	251.0	6.7	--	131.0	7- 3-53
39.9878	75.0508	007	211MGRR1	CAMDEN CITY WD-MORRIS 7	16.0	7.8	6.6	1.3	105.0	6.7	7.0	3.9	--	--	0.48	--	--	--	-	--	108.0	2- 6-34
39.9889	75.0508	007	211MGRR1	CAMDEN CITY WD MORRIS 10	12.0	6.4	6.0	2.2	14.0	45.0	8.7	8.5	600.0	--	3.20	--	--	167.0	5.5	14.4	100.0	4-24-62
39.9889	75.0508	007	211MGRR1	CAMDEN CITY WD MORRIS 10	13.0	8.3	6.5	2.0	15.0	56.0	8.6	10.0	130.0	--	2.10	--	--	188.0	5.6	12.6	115.0	10- 1-62
39.9889	75.0508	007	211MGRR1	CAMDEN CITY WD MORRIS 10	15.0	7.3	7.6	1.7	26.0	50.0	7.5	10.0	4800.0	--	3.80	--	--	215.0	5.8	12.2	118.0	4-12-63
39.9889	75.0508	007	211MGRR1	CAMDEN CITY WD MORRIS 10	46.0	11.0	16.0	2.6	166.0	30.0	23.0	6.7	2000.0	16.0	0.80	0.01	--	381.0	7.2	13.1	218.0	12-21-70
39.9889	75.0508	007	211MGRR1	CAMDEN CITY WD MORRIS 10	20.0	10.0	6.0	2.0	112.0	11.0	8.2	6.4	10000.0	--	0.20	--	0.2	226.0	6.6	13.3	123.0	8-29-61
39.9914	75.0481	007	211MGRR1	CAMDEN CITY WD-MORRIS 4A	17.0	10.0	--	--	89.0	14.0	7.0	--	15000.0	--	1.10	--	--	--	-	--	100.0	11-21-32
39.9914	75.0481	007	211MGRR1	CAMDEN CITY WD-MORRIS 4A	15.0	7.9	6.7	0.9	68.0	21.0	7.6	7.1	8300.0	--	0.70	--	0.2	176.0	6.2	13.3	105.0	8-29-61
39.9914	75.0481	007	211MGRR1	CAMDEN CITY WD-MORRIS 4A	16.0	8.9	5.0	1.8	72.0	22.0	7.9	5.8	8000.0	--	0.50	--	0.1	187.0	6.0	14.4	108.0	4-24-62
39.9914	75.0481	007	211MGRR1	CAMDEN CITY WD-MORRIS 4A	16.0	9.0	5.8	1.6	80.0	17.0	7.6	6.4	3300.0	--	--	--	--	196.0	6.2	13.3	86.0	10- 1-62
39.9914	75.0481	007	211MGRR1	CAMDEN CITY WD-MORRIS 4A	16.0	6.3	6.4	0.6	78.0	17.0	6.5	6.2	8300.0	--	1.10	--	--	205.0	6.2	12.8	103.0	4-12-63
39.9914	75.0481	007	211MGRR1	CAMDEN CITY WD-MORRIS 4A	17.0	9.0	5.8	1.4	96.0	15.0	7.7	6.2	3700.0	--	1.30	--	0.3	261.0	6.3	13.2	116.0	8-13-63
39.9928	75.0414	007	211MGRR1	CAMDEN CITY WD MORRIS 3A	9.5	6.4	5.5	1.7	36.0	17.0	6.8	9.0	6500.0	--	5.50	--	0.2	131.0	6.8	12.8	88.0	8- 7-57
39.9928	75.0414	007	211MGRR1	CAMDEN CITY WD MORRIS 3A	11.0	4.7	7.5	1.5	33.0	21.0	8.4	6.0	580.0	--	5.80	--	0.1	141.0	6.1	13.3	83.0	8-31-61
39.9928	75.0414	007	211MGRR1	CAMDEN CITY WD MORRIS 3A	13.0	6.2	4.4	1.8	54.0	15.0	5.2	6.2	10.0	--	4.60	--	0.1	158.0	6.4	--	86.0	11- 7-49
39.9928	75.0414	007	211MGRR1	CAMDEN CITY WD MORRIS 3A	9.8	6.7	4.8	2.1	49.0	18.0	6.2	6.9	10.0	--	3.50	--	0.1	151.0	6.3	12.8	85.0	4-17-56
39.9928	75.0414	007	211MGRR1	CAMDEN CITY WD MORRIS 3A	34.0	22.0	24.0	2.2	179.0	36.0	38.0	4.4	6800.0	--	0.50	--	0.1	484.0	6.6	13.3	249.0	8-30-66
39.9939	75.0394	007	211MGRR1	CAMDEN CITY WD-MORRIS 2	16.0	8.2	7.5	1.8	24.0	49.0	8.6	7.8	290.0	--	9.70	--	0.1	197.0	5.8	12.8	121.0	8-29-61
39.9939	75.0394	007	211MGRR1	CAMDEN CITY WD-MORRIS 2	15.0	9.4	5.2	2.2	35.0	49.0	8.4	6.9	--	--	3.20	--	--	194.0	7.0	13.9	116.0	4-24-62
39.9939	75.0394	007	211MGRR1	CAMDEN CITY WD-MORRIS 2	16.0	9.7	6.4	2.0	40.0	43.0	8.6	7.1	550.0	--	2.90	--	--	209.0	6.0	13.7	115.0	10- 1-62
39.9939	75.0394	007	211MGRR1	CAMDEN CITY WD-MORRIS 2	20.0	10.0	6.0	2.0	61.0	39.0	7.9	6.5	2900.0	--	1.70	--	0.2	234.0	6.1	13.8	123.0	8-13-63

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.9939	75.0394	007	211MGRR1	CAMDEN CITY WD-MORRIS 2	16.0	8.3	6.8	1.9	36.0	42.0	10.0	5.1	4200.0	--	2.20	--	0.1	195.0	6.0	13.9	110.0	5- 1-64
39.9939	75.0394	007	211MGRR1	CAMDEN CITY WD-MORRIS 2	16.0	8.8	7.6	1.5	44.0	41.0	7.5	7.3	8100.0	--	2.30	--	--	217.0	6.0	12.8	114.0	4-12-63
39.9942	75.0414	007	211MGRR1	CAMDEN CITY WD-MORRIS 5	10.0	6.4	7.0	1.4	28.0	32.0	7.2	6.4	100.0	--	2.00	--	0.1	146.0	5.9	12.8	87.0	8- 7-57
39.9942	75.0414	007	211MGRR1	CAMDEN CITY WD-MORRIS 5	23.0	15.0	7.7	2.0	52.0	79.0	10.0	8.3	1700.0	--	1.50	--	--	292.0	6.0	13.4	175.0	10- 1-62
39.9942	75.0414	007	211MGRR1	CAMDEN CITY WD-MORRIS 5	11.0	6.2	5.5	1.5	34.0	27.0	5.8	5.6	10.0	--	1.80	--	0.1	141.0	6.0	--	82.0	11- 7-49
39.9953	75.0367	007	211MGRR1	CAMDEN CITY WD-MORRIS 1	21.0	11.0	18.0	2.4	75.0	47.0	22.0	4.9	5300.0	--	0.20	--	0.2	300.0	6.9	14.4	164.0	8-30-66
39.9953	75.0367	007	211MGRR1	CAMDEN CITY WD-MORRIS 1	11.0	6.4	9.0	3.0	13.0	38.0	10.0	9.4	200.0	--	17.00	--	0.1	178.0	6.5	13.9	111.0	8- 7-57
39.8594	75.0414	007	211MGRR2	NEW JERSEY WC-MAGNOLIA16	19.0	4.0	8.8	7.8	86.0	21.0	2.9	8.6	400.0	--	--	0.09	--	185.0	7.6	16.0	116.0	8-22-80
39.8620	75.0950	007	211MGRR2	BELLMAWR BORO WD 4	15.0	3.3	16.0	6.7	83.0	19.0	6.0	8.4	380.0	--	0.10	0.10	0.4	188.0	7.3	15.6	116.0	8-17-67
39.8620	75.0950	007	211MGRR2	BELLMAWR BORO WD 4	16.0	3.7	12.0	6.9	86.0	20.0	2.7	7.8	310.0	--	--	0.06	--	189.0	7.3	14.0	113.0	7- 2-80
39.8975	74.9506	007	211MGRR2	NEW JERSEY WC-OLD ORCH37	30.0	5.9	3.4	8.6	107.0	31.0	1.6	8.7	1000.0	--	--	--	--	240.0	7.4	16.5	145.0	8-21-80
39.9011	75.0339	007	211MGRR2	HADDONFLD BORO LAKE ST	24.0	4.9	2.5	6.5	89.0	29.0	1.2	8.4	3900.0	--	--	--	--	201.0	6.6	14.5	126.0	7- 9-80
39.9106	75.0186	007	211MGRR2	NEW JERSEY WC-ELLIS 23	25.0	5.1	3.5	7.5	81.0	31.0	2.1	7.7	3700.0	--	0.40	--	0.1	205.0	6.8	14.4	122.0	2-20-64
39.9106	75.0186	007	211MGRR2	NEW JERSEY WC-ELLIS 23	27.0	5.4	1.7	4.2	78.0	35.0	2.1	7.8	3700.0	--	0.30	--	--	198.0	7.1	14.4	122.0	8-17-66
39.9153	74.9914	007	211MGRR2	NEW JERSEY WC-KINGSTN 25	27.0	6.0	3.1	7.2	92.0	33.0	1.8	8.0	2900.0	--	0.20	--	--	212.0	6.0	14.4	132.0	8-17-66
39.9153	74.9914	007	211MGRR2	NEW JERSEY WC-KINGSTN 25	26.0	5.2	2.7	6.4	87.0	33.0	1.5	9.1	2900.0	--	--	--	--	215.0	6.9	15.0	131.0	8-21-80
39.9158	75.1114	007	211MGRR2	CAMDEN CITY WD-CITY 7	7.0	4.7	9.7	3.6	1.0	41.0	13.0	6.1	20.0	--	4.00	--	--	166.0	4.6	--	90.0	2-16-51
39.9158	75.1114	007	211MGRR2	CAMDEN CITY WD-CITY 7	7.1	4.9	8.9	3.3	6.0	38.0	11.0	5.9	20.0	--	5.20	--	0.1	166.0	4.7	--	88.0	12-22-49
39.9200	75.1111	007	211MGRR2	CAMDEN CITY WD-CITY 11	35.0	14.0	24.0	6.0	92.0	93.0	31.0	1.4	15.0	--	--	0.06	--	478.0	6.0	16.0	317.0	7-30-80
39.9200	75.1111	007	211MGRR2	CAMDEN CITY WD-CITY 11	11.0	9.7	15.0	4.4	1.0	60.0	18.0	9.4	140.0	--	17.00	--	0.1	263.0	4.4	--	145.0	11-28-49
39.9200	75.1111	007	211MGRR2	CAMDEN CITY WD-CITY 11	12.0	9.4	15.0	5.4	1.0	70.0	24.0	8.5	20.0	--	5.00	--	--	279.0	4.6	--	150.0	2-15-51
39.9242	75.1128	007	211MGRR2	CAMDEN CITY WD-CITY 6M	58.0	35.0	38.0	16.0	119.0	235.0	32.0	4.5	7800.0	--	8.60	--	0.1	774.0	6.0	--	487.0	4-24-62
39.9242	75.1128	007	211MGRR2	CAMDEN CITY WD-CITY 6M	52.0	35.0	29.0	14.0	160.0	178.0	29.0	4.0	140.0	--	5.50	--	--	702.0	6.4	14.4	426.0	8-24-66
39.9281	75.1061	007	211MGRR2	CAMDEN CITY WD-CITY 4	58.0	30.0	40.0	13.0	178.0	110.0	71.0	4.6	15.0	--	--	0.09	--	845.0	6.2	16.0	418.0	7-30-80
39.9281	75.1061	007	211MGRR2	CAMDEN CITY WD-CITY 4	10.0	7.7	9.8	3.0	4.0	48.0	14.0	9.1	10.0	--	11.00	--	--	205.0	5.2	--	115.0	2-16-51
39.9281	75.1061	007	211MGRR2	CAMDEN CITY WD-CITY 4	32.0	23.0	25.0	11.0	102.0	101.0	28.0	7.6	290.0	--	16.00	--	0.1	493.0	6.6	14.4	294.0	8-24-66
39.9411	75.0683	007	211MGRR2	MERCH-PENN WCOM-BROWN 2A	3.0	1.4	4.5	1.1	9.0	0.6	11.0	15.0	1600.0	--	2.80	--	--	55.0	7.1	13.3	44.0	8-19-66
39.9644	75.0697	007	211MGRR2	MERCH-PENN WCOM-DEL GN 1	8.1	3.4	4.7	2.2	11.0	20.0	7.0	9.9	50.0	--	9.80	--	0.1	94.0	7.2	12.5	71.0	8- 7-57
39.9644	75.0697	007	211MGRR2	MERCH-PENN WCOM-DEL GN 1	12.0	5.2	11.0	2.8	43.0	20.0	15.0	5.5	160.0	--	0.60	--	0.1	163.0	6.1	13.3	93.0	8-31-66
39.9644	75.0697	007	211MGRR2	MERCH-PENN WCOM-DEL GN 2	22.0	7.9	9.7	2.8	126.4	8.4	16.0	5.1	350.0	--	--	--	--	270.0	6.5	14.5	134.0	7-10-80
39.7042	74.9381	007	211MGRR3	NEW BROOKLYN PARK 2 OBS	3.6	0.4	97.0	9.9	281.8	4.7	2.5	14.0	--	--	0.40	0.32	0.5	453.0	9.4	18.5	272.0	4-26-72
39.7042	74.9381	007	211MGRR3	NEW BROOKLYN PARK 2 OBS	12.0	1.1	32.0	7.6	82.7	32.0	4.2	7.7	1400.0	--	2.40	--	0.2	210.0	9.4	16.7	140.0	5- 1-61
39.7781	74.9858	007	211MGRR3	PINE HILL MUA 1	12.0	4.5	22.0	9.6	108.0	19.0	1.7	8.7	30.0	--	--	0.10	0.4	210.0	7.4	18.9	131.0	8-17-67
39.7983	75.0619	007	211MGRR3	GARDEN ST WC-BLACKWOOD 3	13.0	3.3	21.0	6.6	105.0	14.0	1.6	8.8	160.0	--	--	0.21	--	197.0	8.0	16.5	121.0	8-25-80
39.7997	75.0328	007	211MGRR3	GARDEN ST WC-BLACKWOOD 6	14.0	3.8	19.0	6.9	105.0	15.0	1.3	8.9	180.0	--	--	0.18	--	197.0	8.0	18.0	122.0	8-25-80
39.8244	75.0069	007	211MGRR3	NEW JERSEY WC-LAUREL 14	19.0	4.4	13.0	7.3	93.0	17.0	1.8	8.8	--	--	0.60	--	0.3	191.0	7.5	--	118.0	2-20-64
39.8417	75.0631	007	211MGRR3	NEW JERSEY WC-OTTERBK 39	17.0	3.5	11.0	6.4	88.0	15.0	1.4	8.8	280.0	--	--	--	--	168.0	7.8	15.5	108.0	8-22-80
39.8489	75.0714	007	211MGRR3	NEW JERSEY WC-RMEDE-19	17.0	3.8	12.0	5.2	87.0	18.0	3.0	9.7	400.0	--	0.70	--	0.3	177.0	7.6	15.6	113.0	8- 3-60
39.8489	75.0714	007	211MGRR3	NEW JERSEY WC-RMEDE-19	16.0	3.4	12.0	7.2	84.0	17.0	2.2	8.7	280.0	--	0.60	--	0.2	171.0	7.4	--	109.0	5-21-66
39.8567	74.9978	007	211MGRR3	NEW JERSEY WC-ASHLAND 17	22.0	6.2	7.2	9.0	102.0	24.0	1.6	9.5	290.0	--	--	--	--	211.0	7.6	14.4	130.0	8-17-66
39.8567	74.9978	007	211MGRR3	NEW JERSEY WC-ASHLAND 17	24.0	5.8	10.0	6.2	106.0	23.0	2.0	9.6	500.0	--	0.10	--	0.2	216.0	7.5	16.1	133.0	8- 3-60
39.8594	75.0417	007	211MGRR3	NEW JERSEY WC-MAGNOLIA33	22.0	4.8	6.9	7.4	95.0	21.0	1.3	8.6	230.0	--	--	0.12	--	202.0	7.8	15.5	120.0	8-22-80
39.8722	75.1100	007	211MGRR3	BELLMAWR BORO WD 1	26.0	5.4	9.0	7.8	127.0	12.0	3.8	8.9	650.0	--	--	0.15	--	243.0	7.2	13.5	138.0	7- 2-80
39.8722	75.1100	007	211MGRR3	BELLMAWR BORO WD 1	22.0	4.1	9.3	7.0	92.0	21.0	2.4	11.0	--	--	--	--	0.2	196.0	7.6	13.7	123.0	3-27-62
39.8722	75.1100	007	211MGRR3	BELLMAWR BORO WD 1	21.0	6.0	7.6	4.8	89.0	25.0	1.6	9.1	670.0	--	0.70	--	0.2	200.0	7.4	13.3	120.0	8-19-66
39.8772	75.0083	007	211MGRR3	BUSSMAN REFRIDG CO	27.0	6.4	5.8	8.6	104.0	29.0	1.4	8.4	310.0	--	1.10	--	0.2	226.0	7.6	17.2	139.0	8-24-66
39.8772	75.0547	007	211MGRR3	NEW JERSEY WC-HADDON 30	27.0	5.4	5.1	8.0	100.0	27.0	1.2	8.7	640.0	--	--	--	--	221.0	7.4	14.5	133.0	8-22-80
39.8772	75.0547	007	211MGRR3	NEW JERSEY WC-HADDON 30	26.0	5.6	6.0	8.2	98.0	27.0	2.0	9.1	680.0	--	0.70	--	0.1	221.0	7.5	13.3	133.0	8-17-66
39.8789	75.1242	007	211MGRR3	BROOKLAWN BORO WD 2-27	39.0	8.8	13.0	8.8	150.0	36.0	16.0	12.0	3500.0	--	0.20	--	0.2	350.0	7.2	14.4	208.0	8-19-66
39.8789	75.1242	007	211MGRR3	BROOKLAWN BORO WD 3-42	27.0	4.6	9.6	7.3	100.0	27.0	4.2	11.0	--	--	0.80	--	0.3	227.0	7.2	--	141.0	3-22-51
39.8789	75.1242	007	211MGRR3	BROOKLAWN BORO WD 3-42	16.0	3.8	18.0	7.0	90.0	23.0	6.4	9.3	540.0	--	0.20	--	0.2	209.0	7.1	13.9	129.0	8-19-66
39.8789	75.1242	007	211MGRR3	BROOKLAWN BORO WD 2-61	39.0	8.8	13.0	8.8	150.0	36.0	16.0	12.0	3500.0	--	0.20	--	0.2	350.0	7.2	14.4	208.0	8-19-66
39.8800	75.0758	007	211MGRR3	NEW JERSEY WC-EGBERT 18	17.0	3.8	11.0	8.3	83.0	20.0	4.0	7.6	970.0	--	0.20	--	0.2	182.0	7.4	--	113.0	8-21-67
39.8897	75.0328	007	211MGRR3	HADDONFLD BORO WD-LAYN 2	27.0	5.5	3.9	7.5	103.0	29.0	1.0	8.5	1500.0	--	--	0.03	--	233.0	6.9	14.0	136.0	7- 9-80
39.8897	75.0328	007	211MGRR3	HADDONFLD BORO WD-LAYN 2	26.0	5.8	4.6	7.8	97.0	30.0	1.7	8.4	1400.0	--	--	--	--	218.0	7.2	14.4	132.0	8-22-66
39.8958	75.1147	007	211MGRR3	GLOUCESTER CITY WD 2	31.0	8.3	18.0	12.0	107.0	42.0	22.0	11.0	--	--	--	--	--	337.0	6.4	14.5	197.0	4-16-64
39.8967	75.1150	007	211MGRR3	GLOUCESTER CITY WD 37	19.0	13.0	17.0	6.0	2.0	110.0	20.0	13.0	8800.0	--	0.20	--	0.1	332.0	4.7	16.7	200.0	8-31-61
39.8967	75.1150	007	211MGRR3	GLOUCESTER CITY WD 37	18.0	13.0	17.0	9.0	--	109.0	20.0	12.0	7000.0	--	--	--	0.1	327.0	4.5	--	199.0	4-24-62
39.8967	75.1150	007	211MGRR3	GLOUCESTER CITY WD 37	18.0	16.0	15.0	6.0	4.0	108.0	20.0	13.0	3200.0	--	--	--	0.1	338.0	5.1	16.2	198.0	10- 2-62
39.8967	75.1150	007	211MGRR3	GLOUCESTER CITY WD 37	18.0	13.0	14.0	4.1	4.0	104.0	20.0	14.0	--	--	--	--	--	342.0	5.0	15.5	190.0	4-12-63

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
39.8967	75.1150	007	211MGRR3	GLOUCESTER CITY WD 37	18.0	12.0	20.0	6.6	12.0	105.0	23.0	11.0	7800.0	--	0.80	--	--	331.0	5.7	15.0	206.0	8-31-66
39.8967	75.1150	007	211MGRR3	GLOUCESTER CITY WD 37	22.0	8.7	24.0	6.6	20.0	91.0	27.0	9.8	--	--	2.30	--	0.1	329.0	5.8	--	201.0	3-22-51
39.8994	75.0797	007	211MGRR3	NEW JERSEY WC-OAKLYN OBS	26.0	5.3	2.5	4.6	122.0	6.8	5.4	20.0	9100.0	--	--	1.60	--	221.0	6.8	15.5	142.0	8-22-80
39.9114	75.0178	007	211MGRR3	NEW JERSEY WC-ELLIS 16	28.0	5.0	5.0	4.4	87.0	36.0	2.0	9.1	2200.0	--	0.10	--	0.1	214.0	7.0	13.9	133.0	8- 3-60
39.9114	75.0178	007	211MGRR3	NEW JERSEY WC-ELLIS 16	27.0	5.6	3.5	7.0	86.0	34.0	1.6	8.5	4100.0	--	0.20	--	0.1	216.0	6.8	13.7	130.0	2-20-64
39.9114	75.0178	007	211MGRR3	NEW JERSEY WC-ELLIS 16	24.0	5.4	10.0	6.2	94.0	34.0	2.0	9.1	3600.0	--	--	--	0.1	221.0	7.2	14.4	137.0	8-23-66
39.9131	75.1197	007	211MGRR3	SJ PORT COMM NY SHIP 5A	18.0	6.7	14.0	3.6	126.0	1.1	17.0	4.9	36000.0	--	--	--	0.3	380.0	6.5	15.2	164.0	5- 5-76
39.9153	74.9914	007	211MGRR3	NEW JERSEY WC-KINGSTN 28	29.0	5.7	2.9	6.4	90.0	39.0	1.1	9.4	3500.0	--	--	--	--	232.0	7.0	14.5	142.0	8-21-80
39.9175	75.0361	007	211MGRR3	NJ DEPT DEF-NAT GUARD 1	35.0	6.5	3.3	5.0	153.0	9.0	3.8	9.1	3000.0	--	--	0.43	--	259.0	6.8	16.5	151.0	8-20-80
39.9339	75.0256	007	211MGRR3	RCA-CHERRY HILL 1	33.0	7.5	2.5	5.0	134.0	11.0	3.0	12.0	3800.0	--	0.10	0.10	--	232.0	7.1	15.0	140.0	8-18-67
39.9339	75.0256	007	211MGRR3	RCA-CHERRY HILL 1	29.0	6.7	2.3	4.8	126.0	12.0	5.0	20.0	3800.0	--	--	1.40	--	241.0	6.8	14.5	148.0	7- 9-80
39.9511	75.0661	007	211MGRR3	BELL SUPPLY CO 1	4.9	2.7	6.0	2.0	7.0	12.0	11.0	8.4	91.0	--	--	--	--	106.0	5.4	15.5	64.0	8-25-80
39.9708	75.0306	007	211MGRR3	MEADOWBROOK SWIM CLUB	3.6	4.7	1.8	1.7	2.0	24.0	3.0	7.3	74.0	--	--	--	--	100.0	4.7	13.0	56.0	7- 1-80
39.7656	74.9764	007	211MLRW	CAMDEN CO-VO TECH H S	23.0	7.0	8.4	8.4	127.0	9.8	1.0	8.3	20.0	--	0.10	0.35	0.4	228.0	8.3	10.0	129.0	1-15-70
39.7717	74.9036	007	211MLRW	IVYSTONE WW 2-62	22.0	6.3	7.0	9.2	116.0	14.0	2.1	10.0	1500.0	--	0.60	0.04	0.3	206.0	8.4	16.0	129.0	4-25-69
39.7839	74.9733	007	211MLRW	PINE VALLEY GC-1-55	25.0	4.3	2.5	4.9	96.0	11.0	1.0	11.0	340.0	--	0.10	--	0.2	172.0	7.7	14.4	107.0	8-16-67
39.7847	74.9122	007	211MLRW	OWENS CORNING-BERLIN 1	23.0	6.0	3.8	7.7	104.0	8.4	2.0	9.8	50.0	--	0.20	0.15	0.4	192.0	8.1	15.0	112.0	1-16-70
39.7886	75.0294	007	211MLRW	R BENNETT-BOILER	22.0	1.5	1.3	2.0	66.0	10.0	0.3	9.0	70.0	--	0.40	0.08	0.4	143.0	8.1	--	79.0	2-16-70
39.8228	74.9425	007	211MLRW	NJ WC-ELM TREE 26	22.0	1.8	2.0	3.2	76.0	--	2.6	10.0	40.0	--	0.80	0.28	0.5	155.0	8.1	14.2	80.0	3-16-70
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	31.0	8.3	18.0	12.0	107.0	42.0	22.0	11.0	7600.0	--	--	--	--	337.0	6.4	14.2	197.0	4-16-64
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	22.0	2.2	2.0	3.1	72.0	12.0	2.0	11.0	--	--	--	--	0.1	140.0	7.2	--	90.0	12-13-66
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	24.0	1.8	2.0	3.7	72.0	12.0	2.6	9.8	560.0	--	0.40	--	0.2	148.0	7.0	19.0	92.0	12- 4-67
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	23.0	2.2	2.0	2.8	74.0	10.0	2.3	13.0	210.0	--	0.50	--	0.5	145.0	7.9	11.1	94.0	12- 9-63
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	25.0	2.5	2.7	4.2	79.0	12.0	8.0	10.0	130.0	--	0.10	--	0.3	174.0	7.5	--	104.0	1- 4-71
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	23.0	1.5	2.5	2.5	72.0	12.0	2.3	15.0	--	--	0.20	--	0.2	147.0	7.9	14.5	95.0	8-18-65
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	25.0	1.6	1.8	3.2	72.0	11.0	1.9	12.0	--	--	--	--	0.3	144.0	8.0	--	92.0	8-24-72
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	23.0	1.7	1.2	2.6	73.0	11.0	1.8	9.8	970.0	--	--	--	0.2	143.0	7.6	13.9	87.0	12-15-64
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	22.0	2.3	1.8	3.6	72.0	11.0	4.1	9.8	180.0	--	--	--	0.3	154.0	7.3	--	90.0	12- 2-69
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	22.0	1.7	2.0	2.5	73.0	10.0	2.0	10.0	--	--	0.40	0.08	0.1	146.0	7.6	--	87.0	12- 9-68
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	23.0	1.2	1.8	3.1	71.0	10.0	1.6	13.0	650.0	--	0.10	--	0.2	152.0	7.6	--	89.0	12-13-62
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	24.0	2.2	2.8	3.6	76.0	8.6	1.7	8.6	70.0	--	--	0.06	0.3	146.0	7.8	11.5	89.0	12-13-71
39.8231	74.9539	007	211MLRW	US AIR FORCE-GIBBSBORO 2	24.0	1.5	1.6	3.2	72.0	12.0	2.5	12.0	2100.0	--	0.10	--	0.3	145.0	7.7	--	93.0	1-30-62
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	24.0	2.5	2.8	4.0	72.0	11.0	5.9	10.0	800.0	--	0.50	--	0.2	160.0	7.2	14.0	96.0	12- 4-67
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	23.0	1.7	1.8	3.2	70.0	12.0	1.7	12.0	170.0	--	0.10	--	0.2	155.0	7.5	--	90.0	12-13-62
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	24.0	2.0	2.0	3.2	70.0	12.0	4.5	11.0	--	--	--	--	0.6	146.0	6.9	14.0	94.0	12-13-66
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	25.0	2.5	2.7	4.0	77.0	11.0	7.6	10.0	1100.0	--	0.20	--	0.4	171.0	7.9	--	101.0	1- 4-71
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	23.0	2.4	3.0	2.3	71.0	11.0	1.6	8.6	30.0	--	0.10	0.07	0.3	140.0	7.8	14.5	87.0	12-13-71
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	22.0	1.9	2.0	3.8	74.0	10.0	3.7	9.3	520.0	--	0.10	--	0.3	155.0	7.7	--	90.0	12- 2-69
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	25.0	2.1	2.2	3.3	73.0	11.0	4.3	--	--	--	--	--	0.5	154.0	8.0	11.0	95.0	8-24-72
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	21.0	2.9	1.9	2.6	74.0	11.0	2.1	9.8	810.0	--	--	--	0.2	144.0	7.6	--	88.0	12-15-64
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	26.0	2.4	2.5	4.0	77.0	12.0	6.9	11.0	1300.0	--	0.20	--	0.3	167.0	7.6	--	103.0	1-30-62
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	23.0	2.6	2.8	3.0	74.0	11.0	3.5	8.9	200.0	--	--	0.02	0.2	157.0	7.6	--	92.0	12- 9-68
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	23.0	2.2	2.0	3.0	74.0	10.0	4.0	9.5	640.0	--	0.20	--	0.3	150.0	7.6	11.1	91.0	12- 9-63
39.8242	74.9542	007	211MLRW	US AIR FORCE-GIBBSBORO 1	22.0	1.9	2.5	2.5	72.0	11.0	2.2	11.0	--	--	0.30	--	0.2	145.0	7.8	14.5	89.0	8-18-65
39.8242	75.0069	007	211MLRW	NEW JERSEY WC-LAUREL 4	46.0	2.6	2.0	2.2	100.0	28.0	9.7	15.0	2000.0	--	0.30	0.25	0.2	266.0	8.3	12.0	155.0	1-22-70
39.8242	75.0069	007	211MLRW	NEW JERSEY WC-LAUREL 4	40.0	1.5	1.7	2.0	118.0	10.0	4.8	13.0	150.0	--	--	--	0.2	218.0	7.8	--	131.0	2-26-64
39.8244	75.0058	007	211MLRW	NEW JERSEY WC-LAUREL 10	40.0	1.5	1.7	2.0	118.0	10.0	4.8	13.0	--	--	--	--	0.2	218.0	7.8	--	131.0	2-26-64
39.8256	74.9817	007	211MLRW	LINDENWOLD MUA-SEWAGE PL	27.0	1.0	1.6	2.7	82.0	8.7	2.3	12.0	2000.0	--	--	0.14	0.4	155.0	8.1	17.0	96.0	11- 6-69
39.8317	74.9250	007	211MLRW	CAMDEN LIME CO 1	26.0	2.5	2.0	2.6	87.0	4.8	3.0	12.0	130.0	--	0.20	0.30	0.3	161.0	8.0	13.0	96.0	1-15-70
38.9353	74.9311	009	121CNSY	WEST CAPE MAY 1 OBS	22.0	12.0	248.0	10.0	274.0	23.0	268.0	30.0	690.0	--	2.40	--	0.3	1320.0	7.9	15.0	759.0	6-10-57
38.9458	74.9675	009	121CNSY	HARBESON-WALKER REF CO 1	--	--	340.0	15.0	415.0	36.0	290.0	56.0	--	--	--	0.23	--	1630.0	8.3	16.1	965.0	9- 4-73
38.9633	74.9258	009	121CNSY	CAPE MAY CANAL 5 OBS	23.0	9.1	24.0	9.1	156.0	5.2	16.0	42.0	130.0	--	0.70	--	0.1	305.0	8.2	15.6	206.0	6-21-57
39.0056	74.7933	009	121CNSY	WILDWOOD BLOCK CONST CO	24.0	17.0	81.0	12.0	146.0	23.0	139.0	37.0	1100.0	--	1.00	--	0.2	718.0	7.4	15.0	407.0	10-16-52
39.0736	74.9128	009	121CNSY	OYSTER LAB 4 OBS	15.0	2.6	9.3	2.7	68.0	5.8	8.8	27.0	730.0	--	0.20	--	0.1	147.0	7.9	13.3	105.0	8- 9-57
39.2394	74.6781	009	121CNSY	USAF PALERMO 1	0.8	0.7	4.8	1.2	4.0	2.0	8.5	10.0	250.0	--	0.40	--	--	41.0	5.5	17.8	30.0	2-24-60
39.2394	74.6781	009	121CNSY	USAF PALERMO 1	1.6	1.0	4.1	1.2	6.0	1.7	8.6	10.0	70.0	--	0.20	--	--	41.0	5.5	12.2	31.0	9-19-60
39.2394	74.6781	009	121CNSY	USAF PALERMO 1	1.0	0.7	4.2	--	5.0	2.0	7.5	8.2	200.0	--	0.30	--	--	40.0	5.7	--	26.0	2- 4-64
39.2394	74.6781	009	121CNSY	USAF PALERMO 1	0.6	0.5	4.7	1.2	2.0	2.0	8.7	8.1	440.0	--	--	--	--	43.0	5.5	--	27.0	3-29-68
39.2394	74.6781	009	121CNSY	USAF PALERMO 2	0.8	1.0	4.8	1.2	4.0	2.2	8.5	9.8	390.0	--	0.40	--	--	41.0	5.4	17.8	31.0	2-24-60
39.2394	74.6781	009	121CNSY	USAF PALERMO 2	1.6	1.5	3.2	1.4	6.0	2.1	8.6	10.0	580.0	--	--	--	0.1	42.0	5.5	12.2	31.0	9-19-60

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.2394	74.6781	009	121CNSY	USAF PALERMO 2	0.8	0.7	4.6	1.2	3.0	2.1	8.7	10.0	330.0	--	0.40	--	--	42.0	5.5	--	30.0	3-10-63
39.2394	74.6781	009	121CNSY	USAF PALERMO 2	0.8	0.7	4.2	0.4	4.0	1.0	8.9	8.2	110.0	--	0.30	--	--	40.0	5.6	--	27.0	2- 4-64
39.2394	74.6781	009	121CNSY	USAF PALERMO 2	0.8	0.5	4.5	1.2	2.0	2.2	8.4	8.9	200.0	--	0.30	--	--	41.0	5.5	--	28.0	3-29-68
39.0503	74.7625	009	122KRKDL	STONE HARBOR WD 4	15.0	2.6	148.0	8.0	134.0	23.0	155.0	20.0	--	--	7.50	--	0.2	850.0	7.7	20.0	445.0	4- 9-63
39.0586	74.7678	009	122KRKDL	STONE HARBOR MANOR WC 1	62.0	24.0	112.0	16.0	133.0	5.5	262.0	63.0	290.0	--	2.80	--	--	1180.0	8.2	--	613.0	4- 9-63
39.1042	74.7169	009	122KRKDL	AVALON BORO WD 5-61	11.0	2.9	38.0	4.5	104.0	15.0	18.0	0.2	120.0	--	0.60	--	0.2	280.0	8.0	17.8	162.0	4- 9-63
39.1297	74.7114	009	122KRKDL	SEA ISLE CITY WD 5	13.0	2.9	30.0	4.8	97.0	15.0	12.0	21.0	70.0	--	--	--	0.1	250.0	7.9	18.3	147.0	4- 9-63
39.1978	74.6575	009	122KRKDL	ARAMINGO W.C.1	9.6	1.7	36.0	3.4	98.0	13.0	14.0	19.0	250.0	--	0.20	--	0.2	220.0	8.1	18.3	146.0	8-2[illegible]-63
39.2783	74.5797	009	122KRKDL	NJWC-OCEAN CITY DIST 10	9.6	1.9	27.0	3.2	86.0	9.7	10.0	28.0	130.0	--	--	--	0.2	212.0	7.5	18.9	132.0	4- 9-63
39.2861	74.5689	009	122KRKDL	NJWC-OCEAN CITY DIST 5	9.6	2.4	22.0	3.0	79.0	10.0	5.6	30.0	90.0	--	0.30	--	0.3	183.0	7.4	18.3	122.0	4- 9-63
39.2306	75.0050	011	112CPMY	HEISLERVILLE 2 OBS	17.0	2.9	6.9	2.0	43.0	1.1	25.0	45.0	8300.0	--	--	--	0.1	187.0	5.5	14.5	130.0	6- 8-78
39.2306	75.0050	011	121CNSY	HEISLERVILLE 1 OBS	16.0	4.0	5.5	3.5	67.0	9.9	1.9	56.0	2000.0	--	--	--	0.2	--	7.1	15.0	132.0	6- 7-78
39.4319	75.2375	011	121CNSY	BRIDGETON CITY WD 1A	3.0	2.7	5.4	2.0	1.2	13.0	11.0	9.4	490.0	--	--	--	0.1	112.0	5.8	14.6	48.0	7- 9-75
39.1883	74.9514	011	122KRKD	MOORES BEACH FIRE DEPT	22.0	4.1	5.5	2.8	85.0	8.8	4.2	62.0	100.0	--	0.20	--	0.1	177.0	7.9	13.9	152.0	1- 8-63
39.2322	74.9642	011	122KRKD	NJDIA LEESBURG SP FARM 1	24.0	4.1	2.6	2.4	89.0	8.4	3.8	71.0	--	--	0.50	--	0.1	177.0	8.1	13.3	161.0	1- 9-63
39.2322	74.9642	011	122KRKD	NJDIA LEESBURG SP FARM 1	26.0	3.8	3.0	2.5	88.0	8.5	2.5	53.0	20.0	--	0.40	0.52	--	173.0	8.2	14.0	143.0	3- 5-69
39.2389	75.1731	011	122KRKD	FORTESCUE REALTY 3	30.0	1.7	13.0	2.8	116.0	8.8	7.3	47.0	140.0	--	0.90	0.33	0.1	215.0	7.9	16.1	169.0	9- 2-70
39.3936	75.0397	011	122KRKD	MILLVILLE WD 13	7.0	1.0	6.2	2.5	30.0	9.8	3.0	32.0	1500.0	--	0.10	1.10	0.2	84.0	7.4	15.2	77.0	9-17-70
39.4589	75.1567	011	122KRKD	VOCATIONAL SCHOOL #1	--	--	5.5	1.5	2.0	1.5	6.5	8.8	--	--	--	--	--	80.0	4.8	13.0	58.0	10- 4-72
39.4697	75.0433	011	122KRKD	VINELAND WSU 9	1.0	1.0	10.0	1.5	8.0	9.6	10.0	8.3	50.0	--	0.30	0.01	--	93.0	6.0	14.0	46.0	8-27-70
39.4697	75.0433	011	122KRKD	VINELAND WSU 9	2.0	1.1	8.8	1.8	1.2	9.1	11.0	9.4	330.0	--	--	--	0.1	84.0	5.5	13.2	44.0	7- 9-75
39.2717	75.2317	011	124PNPN	M GANDYS BEACH	19.0	6.6	105.0	5.0	289.0	5.5	56.0	13.0	310.0	--	0.20	--	0.8	667.0	8.2	16.1	353.0	1-14-63
39.2844	75.2375	011	124PNPN	HONE[illegible] ISL MARINA 1	20.0	5.8	120.0	7.0	309.0	3.5	71.0	16.0	310.0	--	0.20	--	1.0	754.0	8.1	13.3	399.0	1-14-63
39.2961	75.2528	011	124PNPN	BAY PT ROD & GUN CLUB 1	19.0	9.2	135.0	6.2	334.0	5.7	72.0	13.0	120.0	--	1.10	--	1.0	822.0	8.0	15.0	427.0	4-18-63
39.3081	75.2022	011	124PNPN	JONES ISLAND #2	29.0	3.2	10.0	3.5	116.0	11.0	4.0	53.0	--	--	--	0.55	--	210.0	8.1	14.5	171.0	10- 5-72
39.3239	75.3222	011	124PNPN	SEA BREEZE TAVERN	19.0	6.8	120.0	5.0	306.0	1.7	65.0	26.0	210.0	--	0.90	--	1.0	749.0	7.8	13.3	397.0	4-17-63
39.4592	75.1567	011	124PNPN	VOCATIONAL SCHOOL #3	10.0	3.5	94.0	8.8	251.2	7.0	32.0	10.0	--	--	--	0.12	--	484.0	8.5	15.0	286.0	10- 3-72
39.5289	75.2661	011	124PNPN	BOSTWICK LAKE #2	25.0	10.0	66.0	11.0	293.0	0.5	1.0	38.0	--	--	--	0.09	--	447.0	8.1	13.2	302.0	10- 3-72
39.4200	74.8700	011	211MGRR1	RAGOVIN 1 OBS	170.0	480.0	12000.0	200.0	1.2	38.0	21000.0	1.0	22000.0	100.0	--	--	--	51270.0	-	--	38800.0	8- 1-74
39.4200	74.8700	011	211MGRR1	RAGOVIN 3300 FEET	2200.0	460.0	12000.0	120.0	153.0	21.0	22000.0	11.0	45000.0	48000.0	--	--	--	56900.0	6.6	42.7	38200.0	10- 1-74
39.4200	74.8700	011	211MGRR1	RAGOVIN 3100 FEET	1600.0	380.0	10000.0	110.0	154.0	100.0	18000.0	12.0	20000.0	800.0	--	--	--	51300.0	6.5	41.6	36900.0	10- 8-74
39.4200	74.8700	011	211MGRR2	RAGOVIN 2100	700.0	210.0	5900.0	150.0	161.0	12.0	11000.0	11.0	4400.0	420.0	--	--	--	30300.0	6.9	33.0	19700.0	10-22-74
39.3567	75.3178	011	211MLRW	NJDEP HOLTON FARMS	34.0	16.0	270.0	10.0	371.0	12.0	295.0	38.0	800.0	--	0.50	--	0.3	1570.0	8.0	13.9	859.0	4-17-63
39.5483	75.0219	015	121CKKD	NEWFIELD BORO WD 2	1.2	0.8	2.7	0.4	5.0	1.0	4.2	5.5	--	--	5.00	--	--	34.0	6.4	13.0	24.0	4-23-51
39.6094	75.0719	015	121CNSY	FRANKLIN TWP BD OF ED	3.4	3.8	1.8	0.6	26.0	1.7	3.2	15.5	--	--	2.50	--	0.1	60.0	6.2	15.5	39.0	6- 4-57
39.7569	75.1111	015	121CNSY	C BRETT	36.0	0.9	2.5	1.7	97.0	19.0	4.7	20.0	590.0	--	0.40	--	0.2	212.0	8.4	--	133.0	10-20-68
39.6969	75.2614	015	125VNCH	STEAKER FARMS 1	55.0	0.4	2.6	2.2	154.0	12.0	4.1	27.0	--	--	0.20	--	0.1	286.0	7.8	14.0	182.0	5-29-57
39.6975	75.1867	015	125VNCH	LACY, NORMAN	27.0	2.2	1.6	2.6	89.0	8.4	2.1	23.0	--	--	--	--	0.1	174.0	7.5	14.0	111.0	5-29-57
39.7731	75.0578	015	125VNCH	SAGERS, RUTH	25.0	1.0	2.6	2.4	56.0	19.0	5.6	18.0	--	--	--	--	0.5	161.0	7.5	16.0	102.0	5-29-57
39.7258	75.1356	015	211EGLS	KANE, CLARENCE	28.0	1.0	1.6	2.1	83.0	8.3	3.1	18.0	--	--	0.40	--	0.3	168.0	7.6	--	104.0	5-29-57
39.7550	75.2778	015	211EGLS	NJ TPK AUTH-INT 2	4.2	2.0	1.0	2.9	13.0	9.4	1.8	25.0	--	--	0.30	--	--	56.0	5.9	19.0	53.0	5-28-57
39.7650	75.1664	015	211EGLS	YAHRLING, FRANCIS	51.0	6.5	2.0	5.1	187.0	11.0	4.5	28.0	--	--	0.40	--	0.5	320.0	7.2	14.5	201.0	5-28-57
39.8058	75.0917	015	211EGLS	GREER, ROBERT	34.0	2.9	2.6	4.6	120.0	9.0	2.4	11.0	--	--	0.10	--	0.3	212.0	6.6	13.5	126.0	5-29-57
39.8117	75.1806	015	211MCVL	CAMPBELL, SAMUEL	31.0	4.4	9.5	7.4	155.0	1.9	1.5	11.0	--	--	1.50	--	0.2	258.0	7.9	16.5	145.0	5-28-57
39.7453	75.3478	015	211MGRR	CASELLA BROS	27.0	5.9	8.6	5.2	121.0	15.0	2.6	20.0	--	--	0.20	--	0.1	232.0	6.3	15.0	144.0	5-29-57
39.7744	75.1369	015	211MGRR	WOODBURY CTY WD-SEWELL 2	5.6	2.1	79.0	5.2	196.0	5.0	21.0	10.0	--	--	1.00	--	1.6	374.0	8.0	15.5	227.0	4-25-51
39.7992	75.2261	015	211MGRR	E GREENWICH TWP WD 1	12.0	3.1	102.0	3.5	227.0	5.0	54.0	9.8	--	--	0.90	--	1.2	523.0	7.8	14.0	304.0	5- 7-51
39.8292	75.2933	015	211MGRR	EI DUPONT REPAUNO 1 (O)	7.8	5.0	54.0	2.9	5.0	12.0	96.0	10.0	--	--	6.20	--	--	373.0	5.8	13.5	197.0	8-20-51
39.8322	75.2558	015	211MGRR	MOBIL OIL-GREENWICH 46	12.0	7.2	195.0	3.2	--	465.0	14.0	12.0	--	--	16.00	0.05	0.3	1240.0	3.5	14.5	727.0	7- 9-51
39.8392	75.2917	015	211MGRR	EI DUPONT REPAUNO H	15.0	7.4	137.0	3.5	17.0	82.0	104.0	14.0	--	--	15.00	--	0.1	796.0	7.2	--	467.0	8-20-51
39.8453	75.2506	015	211MGRR	MOBIL OIL-GREENWICH 36	16.0	15.0	35.0	3.1	97.0	72.0	23.0	9.2	--	--	0.20	--	0.2	395.0	7.0	15.5	219.0	7- 9-51
39.8469	75.2322	015	211MGRR	ESSEX CHEM CO 2	2.8	1.6	11.0	1.6	--	28.0	16.0	6.7	1800.0	1000.0	0.20	--	--	125.0	4.2	13.9	58.0	8-14-67
39.8469	75.2322	015	211MGRR	ESSEX CHEM CO 2	26.0	6.9	220.0	5.2	127.0	190.0	160.0	13.0	12000.0	--	--	--	--	1130.0	6.7	14.0	698.0	10- 8-80
39.7806	75.3878	015	211MGRR1	PURELAND WC LANDTECT 2	10.0	6.3	66.0	3.3	7.0	34.0	110.0	15.0	1800.0	--	--	--	--	461.0	5.3	14.0	263.0	10- 1-80
39.8214	75.2186	015	211MGRR1	SHELL CHEM CO 1	8.0	1.9	165.0	4.9	180.0	9.2	165.0	8.0	460.0	--	0.10	0.30	1.2	806.0	7.7	14.4	452.0	8-15-67
39.8219	75.2156	015	211MGRR1	SHELL CHEM CO 3	7.5	1.5	144.0	4.3	165.0	10.0	138.0	9.3	670.0	--	0.30	0.40	2.4	708.0	7.8	14.4	399.0	8-15-67
39.8319	75.1522	015	211MGRR1	WOODBURY WD RAILROAD 5	3.9	1.4	71.0	4.0	122.0	7.9	48.0	9.5	110.0	--	0.10	0.30	0.9	354.0	7.8	14.4	207.0	7-12-67
39.8319	75.1522	015	211MGRR1	WOODBURY WD RAILROAD 5	6.8	1.4	68.0	3.6	124.0	6.5	46.0	9.0	30.0	--	0.40	0.36	0.9	363.0	7.8	14.9	204.0	9-21-72
39.8319	75.1522	015	211MGRR1	WOODBURY WD RAILROAD 5	5.5	1.2	64.0	3.2	124.0	6.4	43.0	9.1	26.0	--	--	1.80	--	326.0	7.3	14.0	196.0	12-10-80
39.8367	75.2556	015	211MGRR1	MOBIL OIL-GREENWICH 40	30.0	11.0	152.0	3.2	1.0	112.0	242.0	12.0	10.0	--	0.20	--	0.3	1060.0	4.6	15.0	553.0	7- 9-51

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.8408	75.2508	015	211MGRR1	MOBIL OIL-GREENWICH 41	19.0	8.2	106.0	4.7	22.0	126.0	125.0	10.0	2900.0	3000.0	0.50	0.30	--	722.0	5.4	15.0	411.0	8-14-67
39.8408	75.2508	015	211MGRR1	MOBIL OIL-GREENWICH 41	21.0	9.2	100.0	4.4	20.0	160.0	110.0	8.8	9600.0	--	1.80	0.04	0.6	734.0	6.5	15.5	428.0	9-22-72
39.8433	75.2503	015	211MGRR1	MOBIL OIL-GREENWICH 47	8.0	2.0	100.0	2.5	54.0	11.0	150.0	8.8	1000.0	--	0.30	0.03	0.2	583.0	7.7	15.1	309.0	9-22-72
39.8433	75.2503	015	211MGRR1	MOBIL OIL-GREENWICH 47	7.4	2.1	81.0	2.4	52.0	10.0	110.0	9.4	1100.0	--	--	--	--	490.0	6.1	15.0	250.0	9-17-80
39.8519	75.1628	015	211MGRR1	W DEPTFORD TWP WD 6	6.4	1.5	71.0	3.7	122.0	9.6	43.0	10.0	270.0	--	--	0.52	--	360.0	7.8	14.0	207.0	8-26-80
39.8647	75.1628	015	211MGRR1	TEXACO EAGLE PT 6-PROD	7.0	1.2	60.0	3.6	108.0	9.0	40.0	11.0	200.0	--	0.50	--	0.8	329.0	7.8	13.9	187.0	8-15-50
39.8647	75.1628	015	211MGRR1	TEXACO EAGLE PT 6-PROD	15.0	3.0	30.0	5.1	33.0	65.0	24.0	13.0	2200.0	9.0[5]	0.30	0.02	0.2	275.0	6.9	13.8	172.0	12-22-70
39.8656	75.1814	015	211MGRR1	NATIONAL PARK BORO WD 2	12.0	2.7	44.0	4.6	129.0	10.0	28.0	13.0	1700.0	--	--	0.21	--	321.0	7.1	14.0	181.0	9- 9-80
39.8656	75.1814	015	211MGRR1	NATIONAL PARK BORO WD 2	6.5	2.2	57.0	3.8	120.0	8.8	37.0	9.8	530.0	--	--	--	1.0	318.0	7.8	13.3	186.0	8-29-66
39.8656	75.1814	015	211MGRR1	NATIONAL PARK BORO WD 2	6.5	1.5	60.0	3.2	120.0	8.4	34.0	11.0	90.0	--	0.20	0.20	0.8	312.0	8.0	13.3	185.0	7-13-67
39.8656	75.1814	015	211MGRR1	NATIONAL PARK BORO WD 2	8.5	2.3	53.0	4.5	120.0	8.8	30.0	10.0	780.0	11.0	--	0.28	0.8	316.0	6.5	13.4	167.0	5-18-71
39.8667	75.1631	015	211MGRR1	TEXACO EAGLE PT 7	9.7	2.7	24.0	3.9	44.0	40.0	20.0	12.0	4700.0	--	--	0.15	--	238.0	6.2	15.0	140.0	9- 9-80
39.8686	75.1583	015	211MGRR1	TEXACO EAGLE PT 2	6.6	2.1	46.0	4.0	102.0	8.8	26.0	8.6	110.0	--	0.50	--	0.6	269.0	7.7	14.4	154.0	3-15-50
39.8686	75.1583	015	211MGRR1	TEXACO EAGLE PT 2	11.0	5.0	32.0	5.5	80.0	27.0	23.0	11.0	820.0	--	0.80	--	0.3	254.0	7.2	13.3	155.0	8-25-66
39.8703	75.1600	015	211MGRR1	TEXACO EAGLE PT 4-PROD	6.7	1.7	47.0	4.0	104.0	9.8	26.0	9.2	110.0	--	0.20	--	0.6	267.0	8.0	13.9	157.0	3-15-50
39.8703	75.1600	015	211MGRR1	TEXACO EAGLE PT 4-PROD	7.5	3.0	36.0	3.9	85.0	14.0	25.0	11.0	660.0	--	0.60	--	0.4	236.0	7.5	13.3	143.0	8-25-66
39.8703	75.1600	015	211MGRR1	TEXACO EAGLE PT 4-PROD	11.0	2.9	44.0	5.2	117.0	10.0	23.0	12.0	1200.0	--	0.90	0.16	0.4	289.0	7.1	14.2	167.0	5-18-71
39.8703	75.1600	015	211MGRR1	TEXACO EAGLE PT 4-PROD	--	--	46.0	5.2	98.0	9.8	26.0	13.0	--	--	--	0.10	--	288.0	7.1	14.0	176.0	6- 1-73
39.8703	75.1600	015	211MGRR1	TEXACO EAGLE PT 4-PROD	13.0	3.4	50.0	5.5	132.0	14.0	28.0	12.0	140.0	--	--	--	--	297.0	7.2	14.4	191.0	6-30-74
39.8703	75.1600	015	211MGRR1	TEXACO EAGLE PT 4A	36.0	7.9	48.0	8.3	222.0	35.0	29.0	14.0	4500.0	--	--	--	--	480.0	6.8	14.5	295.0	9- 9-80
39.8711	75.1275	015	211MGRR1	WESTVILLE BORO WD 5	60.0	14.0	28.0	10.0	310.0	13.0	13.0	12.0	2400.0	--	--	0.03	--	510.0	7.1	14.5	308.0	9- 2-80
39.8711	75.1542	015	211MGRR1	TEXACO EAGLE PT 1	7.2	1.9	34.0	5.2	93.0	11.0	14.0	8.9	90.0	--	0.20	--	0.5	217.0	7.3	--	129.0	3-15-20
39.8711	75.1542	015	211MGRR1	TEXACO EAGLE PT 1	16.0	4.0	33.0	6.4	145.0	7.8	13.0	10.0	1400.0	--	--	--	--	274.0	7.3	13.3	162.0	8-25-66
39.8711	75.1542	015	211MGRR1	TEXACO EAGLE PT 1	21.0	4.6	39.0	6.6	159.0	12.0	25.0	11.0	1900.0	--	--	0.03	--	344.0	7.2	15.0	201.0	9- 9-80
39.8725	75.1269	015	211MGRR1	WESTVILLE BORO WD 4	12.0	2.3	25.0	5.2	90.0	15.0	7.5	9.1	--	--	0.40	0.10	0.4	191.0	8.0	14.4	121.0	7-13-67
39.8725	75.1269	015	211MGRR1	WESTVILLE BORO WD 4	13.0	2.9	23.0	6.6	92.0	15.0	7.6	8.9	450.0	7.0[5]	--	0.16	0.5	202.0	7.4	14.2	123.0	5-20-71
39.8725	75.1269	015	211MGRR1	WESTVILLE BORO WD 4	14.0	3.4	26.0	6.4	96.0	14.0	7.6	8.6	610.0	--	--	--	--	219.0	7.3	14.2	128.0	6-30-74
39.8725	75.1269	015	211MGRR1	WESTVILLE BORO WD 4	24.0	5.7	27.0	7.8	142.0	16.0	9.5	11.0	800.0	--	--	0.06	--	284.0	7.4	15.5	173.0	9- 2-80
39.8725	75.1489	015	211MGRR1	TEXACO EAGLE PT 5	8.6	2.1	29.0	4.4	96.0	12.0	9.2	9.5	--	--	0.60	--	0.5	202.0	7.8	13.5	123.0	4- 6-50
39.8725	75.1489	015	211MGRR1	TEXACO EAGLE PT 5	31.0	6.6	32.0	8.6	205.0	3.5	15.0	12.0	2800.0	--	--	0.03	--	365.0	7.1	15.0	215.0	9- 9-80
39.8728	75.1550	015	211MGRR1	TEXACO EAGLE PT 3	7.2	1.8	36.0	4.3	94.0	9.9	17.0	10.0	--	--	0.50	--	0.5	224.0	8.0	14.5	133.0	3-15-50
39.8756	75.1617	015	211MGRR1	TEXACO EAGLE PT 3-OBS	26.0	5.9	34.0	8.4	164.0	5.4	20.0	11.0	2600.0	43.0	0.70	0.02	0.3	337.0	7.1	14.5	192.0	5-18-71
39.8756	75.1617	015	211MGRR1	TEXACO EAGLE PT 3-OBS	33.0	7.9	38.0	8.5	179.0	15.0	28.0	12.0	2100.0	--	--	--	--	406.0	7.0	14.6	233.0	6-30-74
39.7703	75.3581	015	211MGRR2	PURELAND WC 1-1973	1.6	0.6	25.0	1.1	17.0	4.3	34.0	8.8	2400.0	--	--	--	--	158.0	5.8	13.0	88.0	9-26-80
39.7800	75.3883	015	211MGRR2	PURELAND WC LANDTECT TW9	15.0	8.5	45.0	5.1	11.0	46.0	81.0	8.9	2400.0	--	--	--	--	428.0	5.5	13.5	231.0	10- 1-80
39.7933	75.3956	015	211MGRR2	MONSANTO CHEM EAST 1	14.0	5.9	230.0	5.0	95.0	5.0	360.0	18.0	26.0	--	--	1.00	--	1320.0	6.5	14.0	687.0	9-23-80
39.7936	75.4561	015	211MGRR2	MONSANTO 1 OBS	3.7	2.0	5.2	1.1	21.0	0.1	7.2	21.0	21000.0	--	--	--	--	115.0	6.1	13.0	72.0	6-25-75
39.7936	75.4561	015	211MGRR2	MONSANTO 1 OBS	3.3	1.9	5.2	1.2	22.0	1.2	7.8	21.0	20000.0	--	--	--	0.1	131.0	6.1	13.0	73.0	7- 7-76
39.7986	75.3522	015	211MGRR2	PENNS GROVE WC-BRIDGPT 1	8.4	4.6	6.8	1.0	12.0	23.0	9.5	13.0	--	--	11.00	--	0.1	134.0	6.5	--	73.0	5-19-51
39.8119	75.1244	015	211MGRR2	DEPTFORD TWP MUA 6	4.7	1.3	53.0	3.7	126.0	7.2	12.0	9.3	190.0	--	--	0.86	--	259.0	8.0	16.0	155.0	9- 2-80
39.8167	75.3203	015	211MGRR2	ALLIED ENERGY 1 1977	5.4	2.7	7.1	2.5	5.0	1.9	29.0	14.0	530.0	--	--	0.15	--	118.0	5.1	14.5	67.0	9-15-80
39.8219	75.2672	015	211MGRR2	GREENWICH TWP WD 3	4.7	3.2	6.0	1.2	3.0	23.0	8.5	13.0	1500.0	--	2.50	0.10	0.1	102.0	5.7	12.8	64.0	7-13-67
39.8225	75.2381	015	211MGRR2	PAULSBORO WD 6-73	6.3	3.6	29.0	3.0	22.0	44.0	34.0	10.0	8.0[4]	--	--	0.09	--	261.0	6.0	15.0	141.0	9-11-80
39.8247	75.2464	015	211MGRR2	PAULSBORO WD 4-51	8.1	2.0	172.0	5.0	168.0	27.0	170.0	9.1	600.0	--	0.40	--	2.5	855.0	7.6	17.2	479.0	8-14-67
39.8247	75.2464	015	211MGRR2	PAULSBORO WD 4-51	5.5	2.7	9.7	2.2	1.0	37.0	13.0	9.5	3.0[4]	--	--	--	--	146.0	4.8	15.0	81.0	9-11-80
39.8256	75.2894	015	211MGRR2	GREENWICH TWP WD 5	12.0	6.0	15.0	4.4	15.0	36.0	21.0	7.7	440.0	--	--	0.03	--	213.0	5.7	14.0	132.0	12-10-80
39.8267	75.2964	015	211MGRR2	EI DUPONT REPAUNO 3	12.0	6.9	57.0	4.4	7.0	31.0	100.0	8.0	100.0	--	--	--	0.1	454.0	5.4	13.8	223.0	5-13-76
39.8267	75.2964	015	211MGRR2	EI DUPONT REPAUNO 3	9.5	5.6	18.0	4.3	5.0	35.0	32.0	8.0	340.0	--	--	--	--	221.0	5.2	13.5	128.0	9-12-80
39.8267	75.2964	015	211MGRR2	EI DUPONT REPAUNO 3	16.0	8.8	60.0	6.0	8.0	36.0	109.0	7.3	110.0	--	18.00	--	--	494.0	6.2	13.3	265.0	8-15-67
39.8267	75.2964	015	211MGRR2	EI DUPONT REPAUNO 3	18.0	7.8	60.0	5.2	9.0	37.0	110.0	7.9	290.0	--	19.00	--	0.1	497.0	6.9	13.9	269.0	9-22-72
39.8289	75.2928	015	211MGRR2	EI DUPONT REPAUNO 6	10.0	5.5	68.0	4.3	10.0	30.0	113.0	9.9	70.0	--	5.20	0.02	--	460.0	6.7	12.8	251.0	12-21-70
39.8289	75.2928	015	211MGRR2	EI DUPONT REPAUNO 6	12.0	7.1	92.0	3.8	11.0	22.0	160.0	8.9	50.0	--	--	--	--	630.0	5.1	13.3	312.0	3-28-75
39.8289	75.2928	015	211MGRR2	EI DUPONT REPAUNO 6	8.8	5.3	68.0	3.7	16.0	25.0	110.0	8.9	170.0	--	--	--	0.1	499.0	5.7	14.1	238.0	5-13-76
39.8289	75.2928	015	211MGRR2	EI DUPONT REPAUNO 6	12.0	7.1	65.0	4.0	17.0	45.0	97.0	8.7	29.0	--	--	--	--	480.0	5.6	14.0	327.0	9-12-80
39.8292	75.2881	015	211MGRR2	EI DUPONT REPAUNO 5	5.6	6.4	10.0	2.6	7.0	26.0	19.0	12.0	300.0	--	8.40	--	--	156.0	5.3	13.3	93.0	8-15-67
39.8292	75.2881	015	211MGRR2	EI DUPONT REPAUNO 5	7.0	5.3	45.0	3.1	38.0	27.0	63.0	6.1	1700.0	--	--	--	0.1	529.0	5.8	15.6	177.0	5-13-76
39.8292	75.2881	015	211MGRR2	EI DUPONT REPAUNO 5	9.9	6.2	51.0	3.5	27.0	44.0	72.0	6.8	780.0	--	--	--	--	365.0	5.7	20.0	213.0	9-12-80
39.8297	75.2378	015	211MGRR2	PAULSBORO WD 5-57	9.7	4.9	16.0	4.9	--	59.0	19.0	6.5	3.0[4]	--	--	--	--	235.0	4.5	16.0	121.0	9-11-80
39.8300	75.2775	015	211MGRR2	HERCULES CHEM GIBBSTWN 2	10.0	7.2	16.0	2.2	20.0	45.0	16.0	11.0	4300.0	--	8.50	0.10	--	211.0	6.2	13.9	126.0	8-14-67
39.8311	75.2814	015	211MGRR2	HERCULES CHEM GIBBSTWN 1	15.0	13.0	27.0	2.6	66.0	63.0	20.0	8.4	6400.0	--	7.00	--	0.2	319.0	6.6	13.9	189.0	8-14-67

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.8347	75.2564	015	211MGRR2	MOBIL OIL-GREENWICH 45	7.6	2.2	127.0	3.2	60.0	12.0	176.0	9.1	1200.0	--	--	--	--	683.0	6.3	13.9	367.0	8-14-67
39.8347	75.2564	015	211MGRR2	MOBIL OIL-GREENWICH 45	18.0	12.0	380.0	5.0	17.0	770.0	110.0	9.7	42000.0	--	--	--	--	2420.0	5.1	14.0	1360.0	9-17-80
39.8397	75.2450	015	211MGRR2	PAULSBORO BORO WD 2	9.6	5.2	11.0	3.9	--	33.0	19.0	7.6	--	--	20.00	--	0.1	196.0	4.5	13.9	110.0	4-11-51
39.8397	75.2450	015	211MGRR2	PAULSBORO BORO WD 2	13.0	6.2	15.0	3.3	2.0	46.0	22.0	6.9	290.0	--	17.00	--	0.1	235.0	4.8	14.4	130.0	7-12-67
39.8397	75.2450	015	211MGRR2	PAULSBORO BORO WD 3	5.8	3.5	48.0	2.2	--	27.0	77.0	7.6	10.0	--	5.20	--	0.1	342.0	4.5	13.3	176.0	4-11-51
39.8542	75.1183	015	211MGRR2	DEPTFORD TWP MUA 4	9.7	2.1	34.0	4.9	107.0	12.0	6.6	9.3	24.0	--	--	0.37	--	214.0	7.8	17.0	133.0	9- 2-80
39.6533	75.0894	015	211MGRR3	CLAYTON BORO WD 3	2.6	1.3	216.0	7.5	382.0	--	120.0	14.0	--	--	0.10	--	2.0	977.0	7.7	23.5	538.0	7-30-57
39.6533	75.0894	015	211MGRR3	CLAYTON BORO WD 3	3.2	1.0	226.0	6.8	379.2	0.2	122.0	11.0	--	--	0.30	--	--	952.0	8.4	23.0	557.0	11-19-58
39.6533	75.0894	015	211MGRR3	CLAYTON BORO WD 3	3.0	1.1	214.0	6.8	368.0	--	123.0	10.0	--	--	0.20	3.20	1.7	946.0	8.1	20.0	546.0	12- 9-58
39.6533	75.0894	015	211MGRR3	CLAYTON BORO WD 3	2.4	1.2	222.0	7.2	377.1	0.6	129.0	9.8	950.0	--	0.20	0.90	1.6	961.0	8.5	20.6	560.0	7-13-67
39.6533	75.0894	015	211MGRR3	CLAYTON BORO WD 3	5.7	1.2	220.0	7.3	384.4	0.5	140.0	11.0	90.0	--	1.80	0.81	1.8	970.0	8.8	20.5	578.0	9-21-72
39.6989	75.3186	015	211MGRR3	MACCARONE, J	54.0	7.8	18.0	6.0	214.0	41.0	3.6	15.0	--	--	0.80	--	0.2	424.0	6.9	15.0	252.0	5-29-57
39.6989	75.3186	015	211MGRR3	MACCARONE, J	58.0	7.0	17.0	5.8	216.0	42.0	3.4	8.9	2009.0	--	--	0.09	--	396.0	7.4	14.5	252.0	10-20-80
39.7014	75.1314	015	211MGRR3	GLASSBORO BORO WD 3	2.4	1.0	150.0	6.3	332.2	2.4	56.0	10.0	170.0	--	0.80	0.50	1.6	659.0	-	17.2	394.0	7-17-67
39.7114	75.1117	015	211MGRR3	GLASSBORO BORO WD 2	2.8	0.5	115.0	4.6	296.0	2.8	13.0	10.0	--	--	0.30	--	1.8	511.0	7.9	18.5	297.0	11-19-58
39.7114	75.1117	015	211MGRR3	GLASSBORO BORO WD 2	2.6	0.9	117.0	6.0	296.0	3.6	20.0	10.0	--	--	0.30	0.70	1.5	509.0	7.7	18.5	310.0	12- 9-58
39.7114	75.1117	015	211MGRR3	GLASSBORO BORO WD 2	1.8	0.8	115.0	5.5	297.3	2.7	18.0	9.5	300.0	--	0.90	0.60	0.2	502.0	8.5	17.2	300.0	7-17-67
39.7189	75.1172	015	211MGRR3	GLASSBORO BORO WD 4	2.5	1.0	112.0	5.5	294.2	2.0	20.0	8.4	500.0	--	0.90	0.60	1.6	494.0	8.5	17.2	300.0	7-17-67
39.7283	75.1314	015	211MGRR3	PITMAN BORO WD PG1	3.2	0.5	105.0	4.6	251.1	2.8	24.0	10.0	--	--	0.10	--	1.9	461.0	8.4	--	276.0	11-19-58
39.7283	75.1314	015	211MGRR3	PITMAN BORO WD PG1	3.8	1.0	132.0	5.0	275.2	2.7	42.0	10.0	30.0	--	--	0.60	3.6	562.0	8.7	15.6	336.0	7-17-67
39.7294	75.3528	015	211MGRR3	MAUGERI, SAL	16.0	3.2	15.0	4.2	113.0	4.6	2.4	12.0	2600.0	--	--	1.30	--	178.0	7.1	14.0	117.0	10-14-80
39.7322	75.3619	015	211MGRR3	CATALANO, F	20.0	3.4	9.5	4.0	115.0	5.8	1.9	11.0	2700.0	--	--	0.83	--	180.0	7.0	14.0	117.0	10-20-80
39.7347	75.1292	015	211MGRR3	PITMAN BORO WD P1	3.6	1.4	118.0	5.3	274.0	3.0	34.0	12.0	20.0	--	0.80	--	1.2	523.0	8.2	16.7	312.0	5- 7-51
39.7347	75.1292	015	211MGRR3	PITMAN BORO WD P1	2.9	1.0	104.0	5.0	244.0	2.4	24.0	7.8	30.0	--	0.20	--	1.9	438.0	8.0	16.1	269.0	12- 9-58
39.7347	75.1292	015	211MGRR3	PITMAN BORO WD P1	2.7	1.7	107.0	5.4	266.2	4.3	20.0	8.7	140.0	--	0.50	0.80	2.0	457.0	8.5	17.2	283.0	7-17-67
39.7356	75.2250	015	211MGRR3	SO JERSEY WS CO 1	5.2	2.7	200.0	8.8	323.0	4.4	136.0	9.8	10.0	--	0.80	--	1.3	935.0	8.1	15.0	532.0	11- 9-58
39.7356	75.2250	015	211MGRR3	SO JERSEY WS CO 1	9.7	2.2	188.0	8.5	318.0	4.4	134.0	9.9	20.0	--	1.00	0.70	1.3	923.0	7.9	14.4	518.0	12- 9-58
39.7356	75.2250	015	211MGRR3	SO JERSEY WS CO 1	8.6	2.7	230.0	8.6	324.0	4.7	160.0	8.8	64.0	--	--	0.67	--	922.0	8.2	15.0	584.0	10-27-80
39.7364	75.1292	015	211MGRR3	PITMAN BORO WD P2	4.2	0.8	102.0	5.0	238.0	3.2	26.0	11.0	--	--	1.00	--	2.0	449.0	8.1	16.7	272.0	4-17-51
39.7364	75.1292	015	211MGRR3	PITMAN BORO WD P2	3.4	1.2	102.0	5.4	255.2	4.3	24.0	9.1	470.0	--	0.70	0.80	2.0	449.0	8.5	15.0	278.0	7-17-67
39.7389	75.2797	015	211MGRR3	BUTLER, WALTER	16.0	4.3	22.0	5.2	106.0	24.0	6.1	9.7	530.0	--	--	0.37	--	224.0	7.5	14.5	141.0	10-27-80
39.7428	75.3119	015	211MGRR3	SWEDESBORO BORO WD 3	20.0	5.2	46.0	5.8	129.0	22.0	43.0	11.0	2800.0	--	--	0.12	--	384.0	7.2	15.5	220.0	9-10-80
39.7436	75.0472	015	211MGRR3	WASHINGTON TWP MUA 6-64	3.5	1.5	65.0	5.9	174.0	7.6	2.0	8.7	90.0	--	0.20	0.20	0.6	278.0	7.9	18.3	181.0	8-15-67
39.7436	75.3097	015	211MGRR3	SWEDESBORO BORO WD 1	23.0	5.1	41.0	5.4	118.0	18.0	43.0	11.0	--	--	0.50	--	0.3	367.0	7.4	14.0	205.0	5- 7-51
39.7436	75.3097	015	211MGRR3	SWEDESBORO BORO WD 1	20.0	4.4	11.0	4.9	104.0	14.0	2.6	11.0	2100.0	--	0.20	--	0.3	192.0	8.2	13.9	120.0	7-13-67
39.7503	75.2081	015	211MGRR3	CLEARVIEW HIGH SCHOOL 1	6.6	2.1	160.0	7.6	290.0	3.0	77.0	9.2	56.0	--	--	0.55	--	672.0	8.3	18.0	409.0	9-18-80
39.7528	75.3106	015	211MGRR3	DEL MONTE CORP 9	16.0	5.2	44.0	5.0	86.0	15.0	58.0	11.0	3200.0	--	0.70	0.28	0.4	338.0	7.8	15.2	198.0	9-17-70
39.7528	75.3106	015	211MGRR3	DEL MONTE CORP 9	17.0	4.7	50.0	5.7	139.0	20.0	42.0	9.8	650.0	--	--	0.37	--	365.0	7.6	22.0	220.0	9-10-80
39.7539	75.3083	015	211MGRR3	DEL MONTE CORP 4	18.0	6.4	83.0	7.0	99.0	24.0	120.0	9.8	--	--	1.20	0.15	0.1	602.0	7.1	15.0	318.0	4-11-69
39.7556	75.0383	015	211MGRR3	WASHINGTON TWP MUA 1	5.2	2.0	48.0	6.8	140.0	15.0	2.3	9.8	130.0	--	0.20	0.20	--	237.0	7.8	17.2	158.0	8-17-67
39.7575	75.2686	015	211MGRR3	NJ TPK AUTH-MAINT S-1-64	19.0	5.1	56.0	7.2	139.0	9.4	64.0	9.4	440.0	--	--	0.15	--	442.0	7.8	15.0	240.0	9- 8-80
39.7592	75.0564	015	211MGRR3	WASHINGTON TWP MUA 2	5.0	1.9	46.0	6.4	134.0	13.0	2.0	8.0	70.0	--	0.10	0.20	0.6	233.0	7.7	18.3	149.0	8-17-67
39.7672	75.1397	015	211MGRR3	SEWELL WC 1	6.1	2.0	91.0	5.8	205.0	3.1	26.0	8.9	13.0	--	--	0.58	--	403.0	7.9	18.0	245.0	8- 4-80
39.7722	75.2519	015	211MGRR3	CIANCIULLI, TIMOTHY	20.0	5.3	130.0	8.1	200.0	6.4	130.0	9.4	570.0	--	--	0.25	--	648.0	7.7	14.0	410.0	11-17-80
39.7747	75.1497	015	211MGRR3	SEWELL WC 2	6.2	2.0	89.0	5.8	200.0	3.8	26.0	8.8	71.0	--	--	0.61	--	403.0	7.9	15.0	241.0	8- 4-80
39.7781	75.1858	015	211MGRR3	EDENWOOD WC 1	7.0	2.0	92.0	6.7	227.0	5.5	30.0	8.0	120.0[a]	--	0.10	0.40	1.6	438.0	7.9	15.0	265.0	8-15-67
39.7781	75.1858	015	211MGRR3	EDENWOOD WC 1	7.9	2.3	96.0	6.4	230.0	5.3	42.0	9.2	5.0	--	--	0.58	--	490.0	8.2	17.5	284.0	9-11-80
39.7867	75.1689	015	211MGRR3	MANTUA WC 2	8.5	2.2	82.0	5.5	201.2	6.1	26.0	9.8	90.0	--	0.80	0.50	2.0	391.0	8.5	14.4	242.0	7-17-67
39.7867	75.1689	015	211MGRR3	MANTUA WC 2	7.1	2.2	90.0	5.9	203.0	3.9	31.0	8.6	82.0	--	--	0.89	--	403.0	7.8	15.0	250.0	8- 4-80
39.7922	75.1767	015	211MGRR3	MANTUA WC 3	7.9	2.3	91.0	5.9	195.0	3.8	40.0	8.5	59.0	--	--	0.61	--	432.0	7.8	15.5	257.0	8- 4-80
39.7953	75.1506	015	211MGRR3	WENONAH BORO WD 1	7.6	1.3	58.0	5.1	162.0	7.0	7.6	10.0	--	--	0.30	0.10	1.2	288.0	7.6	10.5	179.0	4-17-51
39.7953	75.1506	015	211MGRR3	WENONAH BORO WD 1	7.3	2.0	60.0	5.8	173.0	6.9	12.0	9.6	290.0	--	--	0.50	1.6	308.0	8.2	13.3	190.0	7-17-67
39.7953	75.1506	015	211MGRR3	WENONAH BORO WD 1	7.9	2.3	73.0	5.6	177.0	5.0	22.0	8.7	65.0	--	--	0.61	--	336.0	7.8	15.0	213.0	8- 4-80
39.7961	75.0864	015	211MGRR3	DEPTFORD TWP MUA 5-1971	11.0	3.2	30.0	6.4	114.0	14.0	2.2	10.0	160.0	--	--	0.31	--	211.0	8.0	16.5	134.0	9- 2-80
39.7975	75.1533	015	211MGRR3	WENONAH BORO WD 2	7.5	2.1	58.0	5.8	171.0	6.9	12.0	9.5	170.0	--	0.30	0.60	1.6	307.0	8.2	11.1	188.0	7-17-67
39.7986	75.2242	015	211MGRR3	E GREENWICH TWP WD 2	11.0	3.3	119.0	7.3	245.0	4.5	72.0	9.8	1200.0	--	0.30	1.30	3.2	605.0	8.2	23.0	353.0	7-13-67
39.7986	75.2242	015	211MGRR3	E GREENWICH TWP WD 2	9.3	2.8	93.0	5.8	205.0	4.4	48.0	10.0	160.0	--	--	0.74	--	480.0	7.9	14.5	276.0	9- 5-80
39.8031	75.1536	015	211MGRR3	DEPTFORD TWP MA 2	8.7	2.2	57.0	6.3	162.0	7.8	9.2	7.6	80.0	--	0.40	0.40	1.0	285.0	7.7	16.7	180.0	8-17-67
39.8056	75.3092	015	211MGRR3	S&S AUCTION HOUSE 1 1978	16.0	5.5	3.4	7.7	4.0	45.0	11.0	7.2	500.0	--	--	--	--	198.0	5.0	14.0	118.0	9-25-80
39.8058	75.1739	015	211MGRR3	W DEPTFORD TWP WD 4	8.4	2.3	71.0	6.3	174.0	7.1	24.0	8.7	80.0	--	0.50	0.40	1.0	347.0	7.5	14.4	215.0	8-15-67

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Sil- ica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.8061	75.2131	015	211MGRR3	E GREENWICH TWP WD 3	8.8	2.5	91.0	5.9	185.0	5.9	57.0	9.4	270.0	--	--	0.58	--	499.0	7.9	15.5	273.0	9- 5-80
39.8108	75.1531	015	211MGRR3	DEPTFORD TWP MUA 1	10.0	2.3	42.0	6.3	144.0	12.0	3.3	7.3	140.0	--	0.20	0.30	0.9	255.0	7.8	13.9	155.0	8-17-67
39.8108	75.1531	015	211MGRR3	DEPTFORD TWP MUA 1	11.0	2.7	48.0	5.6	154.0	8.6	6.9	9.6	51.0	--	--	0.40	--	271.0	8.0	16.0	169.0	9- 2-80
39.8142	75.2572	015	211MGRR3	GREENWICH TWP WD 2	5.6	7.1	4.8	3.1	1.0	38.0	7.8	9.8	260.0	--	12.00	--	--	162.0	4.6	23.0	89.0	7-13-67
39.8194	75.2614	015	211MGRR3	GREENWICH TWP WD 6	3.9	4.5	4.8	2.2	--	29.0	7.0	12.0	19.0	--	--	--	--	128.0	4.4	14.0	71.0	9-18-80
39.8200	75.1739	015	211MGRR3	W DEPTFORD TWP WD 3	10.0	2.6	55.0	6.3	161.0	7.3	15.0	8.4	160.0	--	0.30	0.40	1.0	304.0	7.8	13.3	185.0	8-15-67
39.8200	75.1739	015	211MGRR3	W DEPTFORD TWP WD 3	13.0	2.8	49.0	5.3	146.0	5.3	27.0	10.0	200.0	--	--	0.46	--	288.0	8.1	14.0	185.0	8-26-80
39.8219	75.2156	015	211MGRR3	SHELL CHEM CO 4	12.0	3.3	68.0	6.8	174.0	10.0	29.0	9.5	760.0	--	0.20	0.40	1.0	372.0	7.8	13.9	226.0	8-15-67
39.8219	75.2156	015	211MGRR3	SHELL CHEM CO 4	21.0	6.0	47.0	6.3	144.0	39.0	26.0	14.0	1200.0	--	--	0.28	--	384.0	7.4	14.0	233.0	9-24-80
39.8381	75.1578	015	211MGRR3	WOODBURY WD-PARK LOT 3	21.0	4.1	32.0	5.5	146.0	14.0	6.5	8.9	30.0	--	0.80	--	0.7	276.0	7.5	--	166.0	5- 7-51
39.8381	75.1578	015	211MGRR3	WOODBURY WD-PARK LOT 3	19.0	3.8	25.0	6.4	112.0	18.0	7.6	9.3	440.0	--	0.60	0.60	0.7	237.0	7.8	13.3	146.0	7-12-67
39.8381	75.1578	015	211MGRR3	WOODBURY WD-PARK LOT 3	27.0	4.3	31.0	5.8	156.0	20.0	15.0	8.5	300.0	--	--	0.34	--	312.0	7.7	14.5	190.0	10-17-80
39.8389	75.2278	015	211MGRR3	GLOUCESTER SEW AUTH 1	25.0	9.2	17.0	8.5	40.0	100.0	17.0	12.0	9100.0	--	--	0.06	--	350.0	5.6	14.5	218.0	9-25-80
39.8456	75.1519	015	211MGRR3	WOODBURY CITY WD-TATUM 4	3.9	1.4	71.0	4.0	122.0	7.9	48.0	9.5	--	--	0.10	0.30	0.9	354.0	7.8	14.5	207.0	7-12-67
39.8628	75.1814	015	211MGRR3	NATIONAL PARK BORO WD 1	6.0	5.8	14.0	4.2	7.0	25.0	21.0	7.4	--	--	20.00	--	--	175.0	5.8	14.5	107.0	4-25-51
39.8628	75.1814	015	211MGRR3	NATIONAL PARK BORO WD 1	4.5	11.0	42.0	4.2	2.0	23.0	95.0	5.5	4800.0	--	0.20	--	--	392.0	4.8	13.3	186.0	8-29-66
39.6853	75.2669	015	211MLRW	KEEN, ELODA	67.0	1.6	1.6	1.8	206.0	10.0	3.3	30.0	--	--	1.10	--	0.3	346.0	7.7	18.5	218.0	8-30-57
39.7233	75.2208	015	211MLRW	CHRIST CHURCH	31.0	0.9	1.5	4.0	84.0	14.0	5.2	29.0	--	--	1.60	--	0.6	192.0	7.2	15.5	129.0	5-30-57
39.7356	75.0864	015	211MLRW	ZELLEY, JOHN	25.0	3.7	4.2	4.5	101.0	8.1	2.2	20.0	--	--	0.50	--	0.3	178.0	6.8	--	118.0	5-30-57
39.7458	75.1378	015	211MLRW	BROWN, STELLA	29.0	0.8	1.9	1.9	91.0	8.1	2.0	17.0	--	--	0.40	--	0.1	169.0	7.4	14.0	106.0	5-29-57
39.7694	75.0508	015	211MLRW	PRIMROSE MOTEL	25.0	4.0	4.4	4.6	100.0	8.6	2.0	13.0	--	--	0.30	--	0.3	186.0	7.6	16.5	112.0	5-29-57
39.8075	75.1328	015	211MLRW	THOMPSON, MARION	17.0	1.0	2.0	3.4	50.0	11.0	2.6	52.0	--	--	0.30	--	0.2	117.0	6.6	15.0	114.0	5-28-57
40.1981	74.7581	021	211MGRR	CHAMPALE INC-YARDSIDE	22.0	12.0	20.0	3.8	--	89.0	34.0	13.0	230.0	--	--	--	--	401.0	4.4	16.5	238.0	6- 4-80
40.2600	74.4894	021	211MGRR	E WINDSOR MUA-TWIN R 6	4.0	0.4	2.2	0.9	7.0	9.0	1.9	9.1	3900.0	--	0.10	0.04	0.1	43.0	5.3	13.2	31.0	5- 2-72
40.2728	74.5258	021	211MGRR	HIGHTSTOWN WD 2	2.6	1.1	2.5	0.7	7.0	8.4	3.7	6.9	3300.0	--	--	--	0.1	39.0	6.7	13.0	29.0	6- 4-68
40.1847	74.7033	021	211MGRR2	BORDENTOWN WD-WH 1	2.2	0.8	2.7	0.8	--	6.3	5.3	6.6	130.0	--	--	--	--	61.0	4.4	13.0	31.0	6- 4-80
40.3972	74.3094	023	211FRNG	OLD BRIDGE TWP MUA-BRH 3	2.3	0.7	1.6	0.6	2.0	10.0	1.3	8.9	4800.0	--	0.10	--	--	37.0	6.3	15.0	26.0	7-31-69
40.4156	74.4117	023	211FRNG	E BRUNSWICK TWP WD 2	2.0	0.6	2.5	1.1	2.0	9.1	4.0	9.5	4800.0	--	--	0.04	0.1	41.0	5.9	14.0	30.0	8-31-69
40.4267	74.3383	023	211FRNG	RUNYON 1 OBS	3.8	0.9	2.1	0.4	5.0	10.0	3.0	8.7	20.0	--	0.10	--	--	--	-	--	32.0	4-15-33
40.4322	74.3614	023	211FRNG	SOUTH RIVER BORO WD 2	3.0	0.9	2.5	0.8	11.0	5.9	4.2	8.9	1600.0	--	0.20	--	--	43.0	7.0	14.0	32.0	6- 4-69
40.4325	74.3606	023	211FRNG	SOUTH RIVER BORO WD 1	3.2	0.9	2.6	0.7	9.0	6.1	4.9	9.5	1700.0	--	0.10	--	--	44.0	6.8	15.0	32.0	6- 4-69
40.4331	74.3617	023	211FRNG	SOUTH RIVER BORO WD 3	3.1	0.8	2.6	1.8	9.0	6.4	6.1	8.7	2000.0	--	0.50	--	--	46.0	6.8	13.0	34.0	6- 4-69
40.4500	74.2497	023	211FRNG	OLD BRIDGE TWP MUA-LH 2	3.2	0.9	2.2	1.1	7.0	8.7	3.0	8.4	6200.0	--	--	--	--	44.0	6.5	15.0	31.0	7-31-69
40.4728	74.2750	023	211FRNG	SOUTH AMBOY CITY WD 8	3.1	1.1	2.1	0.6	7.0	11.0	1.9	7.7	9600.0	--	0.30	--	0.2	43.0	6.8	13.0	31.0	6-13-69
40.4753	74.3042	023	211FRNG	NL INDUSTRIES 4	4.8	1.6	1.2	0.2	5.0	12.0	3.3	7.3	20000.0	--	0.10	--	0.1	54.0	7.3	14.0	33.0	7-17-69
40.4897	74.2656	023	211FRNG	JERSEY CENT P&L-WERNER 6	3.5	1.3	5.3	1.4	8.0	10.0	9.6	7.4	--	--	5.80	0.10	--	68.0	6.9	13.5	48.0	3-15-72
40.5081	74.2781	023	211FRNG	ANACONDA COPPER CO 16A	80.0	14.0	25.0	0.3	206.3	87.0	28.0	21.0	1100.0	--	19.00	0.01	0.5	576.0	8.6	16.0	376.0	7-23-69
40.5128	74.3075	023	211FRNG	CARBORUNDUM CO 1	39.0	6.2	9.3	0.2	120.0	30.0	18.0	13.0	4300.0	--	9.30	0.03	0.3	286.0	8.2	14.0	175.0	7-24-69
40.5333	74.2722	023	211FRNG	CHEVRON OIL CO 2	39.0	6.9	10.0	1.7	150.0	17.0	6.6	9.6	40.0	--	0.20	--	--	291.0	7.3	11.7	165.0	3-13-51
40.5425	74.2758	023	211FRNG	HAAGEN DAZS INC.	55.0	15.0	12.0	2.4	--	210.0	8.5	24.0	30.0	--	0.30	--	0.1	525.0	3.8	12.2	328.0	7-28-60
40.5425	74.2758	023	211FRNG	HAAGEN DAZS INC.	50.0	15.0	24.0	3.8	--	203.0	38.0	21.0	70.0	200.0	0.10	--	0.1	600.0	3.7	12.0	357.0	3-18-69
40.3211	74.4892	023	211MGRR	NJ TRKE SERV AREA 7S-2	6.8	3.0	13.0	3.5	22.0	0.3	23.0	7.8	290.0	--	16.00	0.03	0.1	153.0	6.9	--	84.0	8- 4-69
40.3856	74.3811	023	211MGRR	DUHERNAL WC 11-42	1.0	0.9	1.9	0.8	--	8.1	2.6	7.1	10.0	--	--	--	--	--	4.8	--	22.0	11-13-42
40.3917	74.3828	023	211MGRR	DUHERNAL WC AF	5.8	1.4	1.9	0.7	16.0	9.6	2.4	7.1	1100.0	--	1.60	0.02	0.1	57.0	7.4	15.0	38.0	6- 6-69
40.4011	74.3681	023	211MGRR	DUHERNAL WC 1-38	1.1	1.4	3.0	1.1	--	12.0	5.1	5.9	20.0	--	0.10	--	--	--	4.1	--	30.0	11-13-42
40.4039	74.3675	023	211MGRR	DUHERNAL WC 18-51	5.4	2.9	7.2	2.4	8.0	23.0	13.0	5.5	14000.0	--	1.40	0.02	0.3	116.0	6.9	15.0	65.0	6- 6-69
40.4264	74.3372	023	211ODBG	PERTH AMBOY WD 3	16.0	4.8	6.0	1.0	24.0	41.0	12.0	4.4	5700.0	--	0.30	--	0.9	175.0	7.2	11.0	98.0	6-13-69
40.4381	74.3292	023	211ODBG	SAYREVILLE BORO WD K	6.4	3.7	7.8	2.2	1.0	35.0	14.0	8.9	40.0	--	3.90	--	--	142.0	4.7	12.0	83.0	6- 5-69
40.4400	74.3275	023	211ODBG	SAYREVILLE BORO WD L	4.7	2.9	7.1	1.8	1.0	29.0	11.0	7.5	120.0	600.0	2.20	--	--	115.0	4.9	11.0	67.0	6- 5-69
40.4736	74.2756	023	211ODBG	SOUTH AMBOY CITY WD 10	5.7	3.7	7.5	1.5	--	35.0	13.0	10.0	800.0	2100.0	12.00	0.20	0.2	166.0	4.2	14.0	91.0	6-13-69
40.1122	74.0622	025	122KRKD	BRIELLE BORO WD 1	2.7	0.2	4.5	1.8	12.0	2.1	7.8	13.0	1600.0	--	0.60	--	0.1	49.0	6.3	12.2	40.0	4- 9-58
40.1339	74.0419	025	122KRKD	SEA GIRT BORO WD 1	2.9	1.0	4.7	2.0	7.0	4.8	9.0	16.0	1600.0	--	0.20	--	0.1	61.0	5.9	12.2	44.0	8-31-61
40.1381	74.1289	025	122KRKD	G THOMPSON MED HOME 2	20.0	5.6	3.6	8.8	108.0	6.4	1.3	9.6	180.0	--	2.20	--	--	180.0	8.2	18.0	111.0	6-10-69
40.1125	74.0625	025	211EGLS	BRIELLE BORO WD 2	22.0	5.7	4.0	9.0	104.0	7.3	1.2	11.0	310.0	--	0.90	--	0.1	188.0	7.8	18.3	112.0	3- 1-57
40.1333	74.0419	025	211EGLS	SEA GIRT BORO WD 4	22.0	5.2	3.7	6.3	102.0	7.9	1.4	14.0	450.0	--	0.90	--	0.1	185.0	8.2	18.9	113.0	3- 1-57
40.1403	74.0839	025	211EGLS	WALL TWP WD-ALLENWOOD 1	23.0	5.0	3.0	3.9	104.0	7.7	1.3	9.8	750.0	--	0.20	0.12	0.2	177.0	8.2	20.0	105.0	7-15-69
40.1469	74.0353	025	211EGLS	SPRING LAKE BORO WD 1	22.0	5.1	3.2	6.0	100.0	8.1	1.2	14.0	460.0	--	0.50	--	0.1	178.0	8.1	15.6	108.0	3- 1-57
40.1744	74.1106	025	211EGLS	WALL TWP WD-RT 34	26.0	4.1	2.9	3.0	104.0	10.0	1.4	10.0	1400.0	--	--	0.05	0.4	183.0	8.0	18.0	109.0	7-15-69
40.1814	74.0614	025	211EGLS	US ARMY-IMPERIAL PARK 2	27.0	5.2	3.4	4.0	104.0	18.0	0.8	10.0	--	--	0.20	0.11	0.4	197.0	8.2	19.0	120.0	7-15-69
40.2064	74.0178	025	211EGLS	MON CON WC-OCEAN GR 20	27.0	4.3	2.0	5.6	92.0	21.0	0.9	10.0	940.0	--	0.60	--	0.3	191.0	7.3	17.8	117.0	7-24-57

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
40.2336	74.0069	025	211EGLS	ALLENHURST BORO WD 4	28.0	4.5	3.1	4.8	88.0	26.0	1.2	15.0	1600.0	--	0.40	--	0.1	205.0	7.8	16.7	126.0	3- 1-57
40.2367	74.2683	025	211EGLS	FREEHOLD TWP WD-KOENIG 2	45.0	3.2	3.1	2.9	154.1	3.7	6.0	9.8	13000.0	--	--	0.46	0.4	244.0	8.5	15.0	150.0	6- 5-69
40.2733	74.2506	025	211EGLS	FREEHOLD TWP WD 5	7.5	1.4	1.9	1.6	24.0	7.9	3.4	10.0	1000.0	--	1.60	0.04	0.2	69.0	7.1	16.0	47.0	6- 5-69
40.2817	74.2933	025	211EGLS	FREEHOLD TWP WD-PT IVY 1	38.0	3.5	7.2	2.9	130.0	6.4	6.0	12.0	5000.0	--	--	1.20	0.9	222.0	8.0	14.0	141.0	6- 5-69
40.4114	74.0428	025	211EGLS	ATL HIGHLANDS BORO WD 2	14.0	1.4	1.7	2.1	47.0	7.9	2.2	8.6	8600.0	--	0.40	--	0.1	101.0	7.7	13.3	62.0	2-28-57
40.4117	74.1506	025	211EGLS	LILY TULIP CUP CO-STNBY	17.0	2.1	6.2	2.5	28.0	28.0	12.0	15.0	12000.0	--	0.20	0.20	0.3	159.0	6.9	16.0	97.0	7-16-69
40.4119	74.1694	025	211PRNG	W KEANSBURG WC-HOLMDEL 4	4.2	0.8	2.7	1.7	16.0	8.6	2.8	5.5	--	--	--	0.03	--	54.0	7.1	14.9	34.0	3-21-72
40.1928	74.1706	025	211MGRR	ROKEACH AND SONS 1	9.2	1.8	2.1	2.3	30.0	12.0	1.9	7.3	5000.0	--	1.00	0.02	0.1	82.0	7.4	20.0	52.0	6- 5-69
40.1928	74.1706	025	211MGRR	ROKEACH AND SONS 1	8.8	1.7	1.7	1.9	25.0	12.0	1.7	7.8	8300.0	--	--	--	0.1	80.0	6.1	18.0	48.0	10-15-71
40.1936	74.0225	025	211MGRR	AVON 3 OBS	13.0	1.9	2.8	2.0	38.0	12.0	2.2	5.6	--	--	--	--	--	--	-	--	58.0	9-17-26
40.1936	74.0225	025	211MGRR	AVON 3 OBS	10.0	2.4	1.9	3.1	34.0	12.0	1.2	9.8	10000.0	--	--	--	0.1	92.0	6.0	20.0	57.0	7-23-58
40.2089	74.0158	025	211MGRR	ASBURY PARK WD-AMER 2	10.0	2.2	1.1	2.9	33.0	12.0	1.8	9.9	8700.0	--	0.30	--	0.1	88.0	6.4	22.2	57.0	4- 8-58
40.2089	74.0158	025	211MGRR	ASBURY PARK WD-AMER 2	10.0	2.1	1.5	2.1	34.0	11.0	2.7	8.4	12000.0	--	--	--	--	91.0	7.1	--	54.0	4-23-69
40.2128	74.2544	025	211MGRR	HOVBILT CONST CO 1	0.7	0.2	13.0	2.5	27.0	5.9	3.5	7.3	2200.0	--	0.10	0.01	--	73.0	6.6	17.1	46.0	6- 8-70
40.2128	74.2544	025	211MGRR	HOVBILT CONST CO 1	5.4	1.2	1.6	1.3	18.0	7.2	1.6	7.6	5100.0	--	--	--	0.1	54.0	6.1	16.0	35.0	10-14-71
40.2153	74.1964	025	211MGRR	EMIL SCHROTH	6.1	2.0	2.8	6.0	29.0	3.8	3.9	3.9	--	--	0.10	--	0.1	71.0	7.3	17.9	43.0	7-23-71
40.2200	74.4672	025	211MGRR	ROOSEVELT BORO WD 1	6.8	2.5	2.1	1.9	31.0	5.1	1.9	9.8	9000.0	--	--	0.07	0.2	75.0	6.1	16.4	45.0	4-10-72
40.2367	74.2683	025	211MGRR	FREEHOLD TWP WD-KOENIG 1	4.2	1.1	2.0	1.3	15.0	7.2	2.0	7.1	3600.0	--	1.80	--	0.1	47.0	7.5	17.0	34.0	6- 5-69
40.2433	74.2569	025	211MGRR	3 M COMPANY 1	3.8	1.0	1.7	1.1	9.0	9.2	3.0	7.3	5600.0	--	--	0.01	--	47.0	6.6	16.0	30.0	7-17-69
40.2736	74.2503	025	211MGRR	FREEHOLD TWP WD 6	7.5	1.4	2.0	1.6	28.0	7.9	1.5	7.1	5000.0	--	1.00	0.05	0.2	69.0	7.1	16.0	44.0	6- 5-69
40.2956	74.3597	025	211MGRR	ENGLISHTOWN BORO WD 2	1.1	0.4	1.7	0.6	4.0	4.4	1.7	7.7	2600.0	--	--	--	0.1	28.0	5.8	14.0	20.0	10-14-71
40.3464	74.0722	025	211MGRR	RED BANK BORO WD 1B-50	8.1	1.9	0.9	2.2	28.0	8.4	1.6	9.9	9200.0	--	0.10	--	0.1	70.0	6.2	--	47.0	4- 8-58
40.3517	74.1361	025	211MGRR	BAMM HOLLOW CC 1	4.8	1.5	1.7	1.7	19.0	6.9	1.2	7.9	2600.0	--	0.10	0.01	0.1	61.0	6.9	16.1	35.0	6- 9-70
40.4003	73.9928	025	211MGRR	HIGHLANDS BORO WD 1	7.1	1.5	1.6	3.0	22.0	12.0	1.5	9.8	100.0	--	0.40	--	0.1	70.4	7.4	19.4	48.0	2-28-57
40.4267	73.9847	025	211MGRR	SANDY HOOK SP OBS 1	15.0	2.9	7.8	6.0	77.0	13.0	2.2	11.0	10.0	--	--	--	0.1	158.0	7.1	15.5	96.0	9- 7-77
40.4517	73.9978	025	211MGRR	NPS-SANDY HOOK 4	15.0	4.0	14.0	4.0	--	14.0	60.0	9.5	32000.0	--	--	--	--	290.0	3.8	15.0	121.0	4-23-69
40.4517	73.9978	025	211MGRR	NPS-SANDY HOOK 4	18.0	3.3	10.0	4.0	36.0	4.7	31.0	8.0	12000.0	--	1.80	0.05	0.1	191.0	7.3	15.6	99.0	9-25-72
40.1042	74.5094	025	211MLRW	RUSSELL HOPKINS	28.0	1.7	1.8	4.9	94.0	6.3	2.7	15.0	--	--	0.10	0.16	0.2	160.0	8.0	20.3	107.0	8- 3-71
40.1056	74.5161	025	211MLRW	THOMAS HERBERT	30.0	2.1	1.6	5.7	102.0	5.2	2.4	7.2	--	--	0.20	0.09	0.3	172.0	8.2	18.8	105.0	8- 3-71
40.1264	74.5242	025	211MLRW	HANS MIKLAU	50.0	3.0	2.4	5.7	151.0	14.0	6.0	25.0	--	--	0.30	0.08	1.0	290.0	8.2	16.0	182.0	8- 3-71
40.1550	74.4700	025	211MLRW	CAROUSEL FARMS	43.0	3.0	2.2	5.7	150.0	4.9	3.3	17.0	--	--	0.40	0.07	0.2	249.0	8.1	16.3	154.0	8- 6-71
40.1933	74.0222	025	211MLRW	AVON-BY-THE-SEA WD 2	28.0	6.0	5.4	8.2	100.0	28.0	2.1	10.0	--	--	0.60	0.02	0.2	219.0	8.1	18.2	138.0	7-28-71
40.1939	74.0236	025	211MLRW	AVON-BY-THE-SEA WD 1	31.0	6.0	2.4	7.2	98.0	32.0	2.0	15.0	230.0	--	1.10	--	0.1	233.0	7.9	16.7	145.0	7-24-57
40.1939	74.0236	025	211MLRW	AVON-BY-THE-SEA WD 1	30.0	6.0	4.8	7.9	97.0	35.0	2.1	9.7	--	--	0.50	0.05	0.3	224.0	8.1	17.8	144.0	7-28-71
40.2044	74.0189	025	211MLRW	MON CON WC-OCEAN GR 21	32.0	5.5	3.1	6.0	106.0	29.0	2.2	13.0	150.0	--	0.40	--	0.1	236.0	8.1	16.7	144.0	8-30-61
40.2044	74.0189	025	211MLRW	MON CON WC-OCEAN GR 21	26.0	4.6	4.2	6.0	88.0	24.0	1.7	9.5	--	--	0.40	0.06	0.3	184.0	8.0	18.7	120.0	7-28-71
40.3819	74.1694	025	211MLRW	A FLEMER	22.0	3.6	9.2	5.7	34.0	8.7	41.0	13.0	--	--	0.30	0.08	1.0	227.0	7.2	16.4	121.0	8- 2-71
40.4400	74.1958	025	211ODBG	KEYPORT BORO WD 5	2.4	1.2	1.7	1.3	7.0	7.9	2.0	10.0	7200.0	--	--	--	--	40.0	5.5	12.8	29.0	7-24-58
39.8081	74.0931	029	112PLCC	ISLAND BEACH 4 OBS	10.0	5.5	30.0	3.4	20.0	21.0	57.0	10.0	12000.0	--	--	--	0.1	290.0	6.8	--	159.0	10-28-77
39.9433	74.0775	029	121CKKD	SEASIDE HTS BORO WD 1	2.4	1.5	12.0	4.0	36.0	8.8	4.2	20.0	1000.0	--	0.70	--	0.2	88.0	6.5	14.4	72.0	6-22-61
39.9433	74.0775	029	121CKKD	SEASIDE HTS BORO WD 1	2.0	1.7	11.0	3.5	34.0	8.6	4.4	18.0	910.0	--	0.40	--	0.2	86.0	6.7	13.9	67.0	8-31-61
40.0836	74.0819	029	121CKKD	PT PLEASANT BORO WD 4	3.3	2.2	10.0	2.0	5.0	11.0	15.0	4.9	40.0	--	10.00	--	--	118.0	5.2	12.8	61.0	8-31-61
40.0836	74.0819	029	121CKKD	PT PLEASANT BORO WD 4	4.0	1.9	9.4	2.4	8.0	15.0	12.0	6.5	310.0	--	3.80	--	--	122.0	5.0	12.8	59.0	11-14-62
40.0933	74.0478	029	121CKKD	PT PLEAS BCH BORO WD 9	8.2	3.8	7.1	2.5	40.0	2.5	13.0	26.0	950.0	--	0.70	--	0.1	113.0	6.9	13.9	84.0	6-22-61
40.0975	74.0453	029	121CKKD	PT PLEAS BCH BORO WD 10	21.0	9.4	24.0	3.7	22.0	7.1	96.0	22.0	5100.0	--	--	--	0.1	302.0	6.6	13.8	199.0	7-10-75
39.6692	74.2178	029	121CNSY	EDWARD TONKESON	4.0	3.4	6.5	3.5	--	6.8	28.0	32.0	4700.0	--	0.10	--	0.1	159.0	4.0	13.3	85.0	8-15-63
39.7456	74.2028	029	121CNSY	UNION-UNKNOWN FLOWING	1.3	0.2	3.7	0.5	--	7.2	5.2	18.0	480.0	--	--	--	0.1	55.0	4.4	13.3	37.0	8-15-63
39.8881	74.3850	029	121CNSY	WM14B	1.7	1.0	1.7	0.5	3.0	6.5	3.0	3.5	--	--	--	--	0.2	32.0	5.1	--	20.0	4-24-73
39.8883	74.3833	029	121CNSY	WM12C	4.1	0.4	1.3	0.5	1.0	10.0	2.4	2.6	--	--	--	--	0.2	40.0	5.1	--	22.0	4-24-73
39.8883	74.3925	029	121CNSY	WM23C	3.0	0.8	1.8	0.4	2.0	8.0	3.4	3.0	--	--	--	--	0.2	38.0	4.9	--	22.0	4-24-73
39.8883	74.3933	029	121CNSY	WM24A	2.0	0.5	2.8	0.4	5.0	7.0	2.4	3.4	--	--	--	--	0.1	35.0	5.5	--	21.0	4- 6-73
39.8886	74.3836	029	121CNSY	WM12B	4.0	8.5	7.5	0.8	1.2	27.0	17.0	2.5	--	--	--	--	0.3	205.0	4.1	--	70.0	3- 8-74
39.8886	74.3844	029	121CNSY	WM13A	2.0	0.7	1.6	0.4	2.0	8.0	2.0	3.3	--	--	--	0.01	0.1	36.0	4.8	--	19.0	4- 6-73
39.8889	74.3839	029	121CNSY	WM12A	2.4	0.9	3.6	0.9	3.0	12.0	4.1	3.6	--	--	--	--	0.1	49.0	5.1	--	29.0	4- 6-73
39.8889	74.3922	029	121CNSY	WM22B	1.5	0.9	1.7	0.4	1.2	6.4	2.9	2.7	--	--	--	--	0.1	45.0	4.2	--	19.0	3- 8-74
39.8889	74.3931	029	121CNSY	WM23A	3.1	0.9	1.9	0.4	1.2	8.4	3.0	3.1	--	--	--	--	0.2	36.0	4.5	--	21.0	4-24-73
39.8892	74.3917	029	121CNSY	WM21C	3.0	1.1	1.8	0.5	1.0	10.0	3.2	3.1	--	--	--	--	0.1	43.0	5.2	--	23.0	4-24-73
39.8892	74.3925	029	121CNSY	WM22A	3.0	0.7	1.6	0.4	4.0	9.0	2.5	3.3	--	--	--	--	0.1	41.0	5.1	--	23.0	4- 6-73
39.8892	74.3925	029	121CNSY	WM22A	2.5	0.8	1.7	0.5	1.0	8.7	3.1	3.0	--	--	--	--	0.2	40.0	4.8	--	21.0	4-24-73
39.8894	74.3850	029	121CNSY	WM15B	1.7	1.0	1.6	0.7	2.0	7.7	3.2	2.9	--	--	--	--	0.2	40.0	4.7	--	20.0	3- 8-74

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
40.0772	74.4525	029	121CNSY	CN15A	3.2	1.0	8.0	1.0	10.0	19.0	4.8	3.1	--	--	--	0.02	0.1	76.0	6.0	--	45.0	4- 6-73
40.0775	74.4522	029	121CNSY	CN14C	3.7	1.4	3.2	1.1	6.0	14.0	4.2	3.3	--	--	1.30	0.01	0.2	62.0	5.5	--	34.0	4- 6-73
40.0775	74.4525	029	121CNSY	CN14B	3.1	2.1	4.5	0.8	1.2	11.0	8.3	4.3	--	--	--	0.03	0.2	81.0	4.4	--	35.0	3- 8-74
40.0775	74.4528	029	121CNSY	CN14A	2.8	1.1	3.0	1.2	1.2	12.0	5.2	4.9	--	--	--	--	0.2	64.0	4.5	--	31.0	4-23-73
40.0781	74.4525	029	121CNSY	CN12A	4.7	1.4	5.2	1.0	5.0	15.0	4.3	3.2	--	--	1.30	--	0.2	67.0	5.4	--	37.0	4- 6-73
40.0783	74.4519	029	121CNSY	CN11C	3.2	1.3	3.2	1.5	2.0	13.0	4.0	3.2	--	--	1.30	--	0.2	59.0	5.0	--	31.0	4- 6-73
40.0783	74.4522	029	121CNSY	CN11B	1.5	1.0	11.0	0.5	1.2	0.4	16.0	3.4	--	--	--	--	0.2	102.0	4.3	--	43.0	3- 8-74
39.5350	74.2633	029	122KRKD	LONG BEACH TWP WD 2	7.1	2.3	20.0	3.8	74.0	5.8	1.5	62.0	220.0	--	0.40	2.01	0.3	137.0	8.2	16.0	140.0	7-27-72
39.5350	74.2633	029	122KRKD	LONG BEACH TWP WD 2	5.6	2.9	19.0	3.0	78.0	6.4	1.8	6.3	230.0	--	0.50	--	0.1	141.0	7.2	15.6	141.0	8-15-63
39.5628	74.2417	029	122KRKD	BEACH HAVEN BORO WD 8	2.4	1.5	5.5	2.5	16.0	0.4	3.4	26.0	2100.0	--	0.20	--	0.1	60.0	6.0	16.7	58.0	8-15-63
39.5744	74.3672	029	122KRKD	MYSTIC ISLAND WC 2	2.7	1.2	4.5	3.7	18.0	0.4	3.4	24.0	4300.0	--	0.20	0.03	0.1	57.0	6.3	15.4	36.0	6-26-70
39.5861	74.2250	029	122KRKD	LONG BEACH WC-TERRACE 2	1.6	1.5	4.0	2.5	8.0	0.8	3.6	24.0	2700.0	--	--	--	0.1	51.0	6.0	16.7	50.0	8-15-63
39.6028	74.3419	029	122KRKD	TUCKERTON WW CO 4-26	3.2	1.5	3.3	2.2	12.0	0.8	3.8	27.0	3300.0	--	0.10	--	0.1	52.0	6.0	14.4	56.0	8-15-63
39.6233	74.1975	029	122KRKD	LONG BEACH WC-BRANT 2	2.8	1.2	3.5	3.0	14.0	0.2	3.3	24.0	2500.0	--	0.10	--	0.1	52.0	6.1	16.7	53.0	8-15-63
39.6564	74.1711	029	122KRKD	SURF CITY BORO WD 3	3.2	1.0	4.2	3.0	17.0	7.0	3.3	26.0	2500.0	--	0.20	--	0.1	56.0	6.3	15.6	56.0	8-15-63
39.6783	74.2364	029	122KRKD	STAFFORD WC 3	1.9	0.8	3.0	3.1	7.0	5.1	4.5	34.0	2600.0	--	0.10	0.02	--	43.0	6.9	14.5	56.0	6-26-70
39.9989	74.0622	029	122KRKD	OCEAN CO WC-NORMANDY 2	73.0	21.0	65.0	10.0	36.0	13.0	264.0	24.0	1300.0	--	0.60	--	0.1	962.0	7.3	12.8	488.0	8-31-61
40.0225	74.1006	029	122KRKD	SHORE ACRES CORP 2	9.0	2.3	12.0	6.0	66.0	5.5	3.6	32.0	470.0	--	0.70	--	0.2	126.0	7.1	12.8	104.0	6-22-61
39.7567	74.1089	029	124MQVC	BARNEGAT LIGHT BORO WD 2	2.0	5.1	71.0	5.8	208.0	13.0	1.8	12.0	40.0	--	0.80	--	0.2	330.0	8.2	16.7	214.0	8-15-63
39.9433	74.0775	029	124MQVC	SEASIDE HTS BORO WD 2	5.3	1.2	47.0	5.0	132.0	10.0	2.5	19.0	60.0	--	0.40	--	0.2	231.0	8.2	16.1	156.0	6-22-61
39.9433	74.0775	029	124MQVC	SEASIDE HTS BORO WD 2	5.3	1.0	47.0	4.5	136.1	11.0	2.0	18.0	190.0	--	0.50	--	0.2	234.0	8.6	15.6	157.0	8-31-61
39.9433	74.0775	029	124MQVC	SEASIDE HTS BORO WD 2	--	--	48.0	4.8	128.1	8.5	0.9	17.0	--	--	--	0.77	--	225.0	9.2	--	150.0	9-14-73
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	2.4	0.5	1.6	0.4	5.0	2.1	4.0	4.9	--	--	0.90	--	--	30.0	6.8	--	19.0	6-24-60
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	1.6	0.5	2.0	0.5	2.0	4.6	3.0	4.5	--	--	0.90	--	--	19.0	5.8	--	19.0	11- 1-60
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	--	1.5	1.7	0.5	3.0	1.7	3.4	4.6	--	--	0.20	--	--	19.0	5.3	--	15.0	9-26-61
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	1.6	0.5	1.5	0.1	4.0	0.4	3.2	4.4	--	--	0.90	--	0.1	23.0	5.2	16.0	15.0	8-27-63
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	1.0	0.7	1.8	--	2.0	2.0	4.9	4.4	--	--	1.40	--	--	33.0	5.0	11.0	17.0	3-17-64
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	0.8	0.2	1.2	0.1	--	0.4	3.6	4.1	--	--	0.50	--	--	34.0	4.5	--	11.0	7- 7-65
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	0.9	0.5	2.0	0.7	4.0	3.1	3.3	4.7	--	--	0.80	--	--	23.0	5.3	16.5	18.0	8- 5-67
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 1	0.6	0.7	2.0	0.6	2.0	2.5	3.3	4.3	--	--	1.90	--	0.3	27.0	5.4	15.0	17.0	8-27-68
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 2	2.0	--	1.5	0.4	2.0	1.9	4.4	6.0	--	--	0.30	--	--	27.0	5.0	--	18.0	10-19-60
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 2	--	1.7	1.7	0.5	3.0	2.1	3.8	5.7	--	--	0.30	--	--	23.0	5.2	--	17.0	9-26-61
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 2	0.8	0.7	1.8	--	2.0	1.0	4.9	4.0	--	--	1.40	--	--	31.0	5.0	11.0	16.0	3-17-64
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 2	0.8	0.5	0.8	--	1.0	0.4	3.4	3.5	--	--	0.50	--	--	25.0	5.0	21.0	10.0	7- 7-65
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 2	1.0	0.6	2.2	0.7	4.0	2.9	3.8	4.4	--	--	1.30	--	--	25.0	5.4	16.5	19.0	8- 5-67
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 2	0.6	0.6	2.0	0.5	2.0	2.2	3.3	4.3	--	--	1.30	--	0.2	25.0	5.4	15.0	16.0	8-27-68
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 2	1.2	0.7	2.8	0.6	1.0	4.4	5.4	3.0	--	--	2.20	--	0.1	35.0	5.1	--	21.0	10-26-71
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 3	2.0	0.5	1.8	0.4	7.0	2.1	2.9	4.6	--	--	0.60	--	--	26.0	7.1	15.0	19.0	2-24-60
40.0303	74.4419	029	125VNCH	US AIR FORCE-BOMARC 3	1.6	1.9	1.7	0.2	14.0	0.8	3.0	3.5	--	--	0.40	--	--	36.0	6.4	16.0	20.0	8-27-63
39.9614	74.0769	029	211EGLS	LAVALLETTE BORO WD 3	6.0	3.6	64.0	8.0	219.1	2.5	3.0	11.0	220.0	--	1.70	0.10	0.4	356.0	8.5	21.0	208.0	7-30-69
39.9689	74.0725	029	211EGLS	LAVALLETTE BORO WD 2	5.8	0.6	67.0	9.0	211.2	3.8	2.2	12.0	190.0	--	1.60	--	0.1	342.0	8.6	21.1	206.0	3-13-57
39.9689	74.0725	029	211EGLS	LAVALLETTE BORO WD 2	15.0	1.7	60.0	8.2	208.1	2.2	1.8	11.0	100.0	--	1.90	0.12	0.4	344.0	8.4	22.0	205.0	7-30-69
40.0361	74.0528	029	211EGLS	OCEAN CO WC-MANTOLKING 6	11.0	3.7	31.0	11.0	142.0	8.8	1.4	6.9	240.0	--	3.10	--	0.2	239.0	7.0	20.0	147.0	7-24-57
40.0472	74.1789	029	211EGLS	SOUTH LAKEWOOD WC 2	23.0	6.8	9.5	9.0	131.0	4.1	2.0	10.0	170.0	--	1.10	0.10	0.2	229.0	8.2	20.0	130.0	8- 5-69
40.0650	74.2194	029	211EGLS	LAKEWOOD WC 7	22.0	6.2	3.8	4.0	108.0	7.2	1.7	9.3	330.0	--	0.60	0.16	0.5	185.0	8.1	25.0	108.0	7-22-69
40.0681	74.0456	029	211EGLS	OCEAN CO WC BAYHEAD 6	17.0	5.8	12.0	11.0	117.0	9.2	1.2	12.0	200.0	--	1.30	--	0.1	208.0	7.9	20.6	128.0	3-13-57
40.0681	74.0456	029	211EGLS	OCEAN CO WC BAYHEAD 6	18.0	5.5	11.0	9.8	112.0	8.7	2.0	11.0	380.0	--	1.60	0.08	0.3	209.0	7.8	21.0	123.0	7-31-69
40.0711	74.4503	029	211EGLS	COLLIERS MILLS TW1 OBS	26.0	3.2	2.3	4.4	96.0	5.9	1.9	10.0	20.0	--	--	--	0.1	178.0	7.9	14.5	101.0	9- 6-77
40.0786	74.2311	029	211EGLS	LAKEWOOD WC 8	22.0	6.4	3.8	4.0	110.0	6.4	1.6	9.5	1300.0	--	0.60	0.12	0.5	189.0	8.3	21.0	111.0	7-22-69
40.0817	74.0703	029	211EGLS	PT PLEASANT BORO WD 6	21.0	6.9	6.2	6.9	115.0	7.7	3.0	9.6	190.0	--	1.60	0.16	0.4	196.0	8.2	22.0	120.0	7-16-69
40.0831	74.0664	029	211EGLS	PT PLEASANT BORO WD 3	20.0	5.7	6.5	8.4	110.0	7.7	1.5	13.0	190.0	--	1.20	--	--	193.0	7.2	20.0	118.0	6-19-58
40.0831	74.0664	029	211EGLS	PT PLEASANT BORO WD 3	20.0	6.1	6.0	7.0	109.0	7.6	1.1	12.0	170.0	--	1.00	--	0.1	193.0	8.0	20.0	115.0	8-31-61
40.1061	74.2303	029	211EGLS	LAKEWOOD WC 6	24.0	4.8	3.2	3.0	100.0	7.7	5.0	9.5	3100.0	--	0.30	0.12	0.4	173.0	8.0	18.0	108.0	7-22-69
40.1158	74.2075	029	211EGLS	JACKSON TWP MUA 3	24.0	3.0	2.0	4.6	85.0	4.4	1.9	13.0	400.0	--	0.20	0.20	0.3	160.0	7.8	15.6	95.0	7- 1-70
39.8081	74.0931	029	211MGRR	ISLAND BEACH 3 OBS	28.0	17.0	485.0	11.0	173.0	2.4	790.0	2.4	--	--	1.20	--	1.0	2620.0	8.0	16.0	1420.0	8-28-68
39.8081	74.0931	029	211MGRR	ISLAND BEACH 3 OBS	31.0	6.1	485.0	8.2	188.0	2.5	670.0	16.0	1800.0	--	0.20	--	1.0	2750.0	7.3	30.0	1310.0	9-21-62
39.9989	74.0622	029	211MGRR	OCEAN CO WC-NORMANDY 3	14.0	3.4	13.0	8.0	92.0	9.3	1.8	14.0	1300.0	--	0.90	--	--	167.0	7.6	22.2	111.0	6-19-58
40.0181	74.3789	029	211MGRR	US NAVY-LAKEHURST NAS 32	11.0	2.0	2.4	2.3	42.0	4.7	1.9	9.6	8100.0	--	--	--	--	89.0	7.7	23.3	55.0	7- 3-67
40.0181	74.3789	029	211MGRR	US NAVY-LAKEHURST NAS 32	10.0	1.7	1.6	1.9	36.0	7.2	1.7	9.3	6400.0	--	--	--	0.1	81.0	6.6	23.0	52.0	10-12-71
40.0361	74.0528	029	211MGRR	OCEAN CO WC-MANTOLKING 7	15.0	3.3	10.0	6.0	88.0	7.8	1.4	11.0	1500.0	--	0.30	--	0.1	158.0	7.3	23.9	100.0	8-31-61

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
40.0581	74.3292	029	211MGRR	GLIDDEN-DURKEE SCH 2	10.0	1.5	1.5	1.8	31.0	7.6	2.0	8.4	6600.0	--	--	0.04	0.1	79.0	7.6	24.0	48.0	7-24-69
40.0581	74.3297	029	211MGRR	GLIDDEN-DURKEE SCH1	19.0	3.2	2.4	5.0	78.0	7.2	3.0	8.4	4200.0	--	--	0.06	0.1	152.0	7.9	21.0	87.0	7-24-69
40.0581	74.3297	029	211MGRR	GLIDDEN-DURKEE SCH1	18.0	3.5	2.6	5.2	78.0	8.0	1.4	8.9	2900.0	--	--	0.03	0.1	150.0	6.8	20.0	86.0	4-12-72
40.0581	74.3303	029	211MGRR	GLIDDEN-DURKEE SCH 3	12.0	1.6	9.5	2.8	52.0	9.0	7.0	8.4	8200.0	--	--	0.41	0.2	131.0	7.8	25.0	76.0	7-24-69
40.0581	74.3303	029	211MGRR	GLIDDEN-DURKEE SCH 3	9.8	1.8	7.6	2.8	48.0	8.6	3.8	9.8	3300.0	--	--	0.01	0.1	111.0	6.8	24.0	69.0	4-12-72
40.0592	74.3283	029	211MGRR	GLIDDEN-DURKEE SCH 4	10.0	1.4	1.6	1.7	30.0	6.8	2.0	9.2	6600.0	--	--	0.04	0.1	76.0	7.7	24.0	48.0	7-24-69
40.0592	74.3283	029	211MGRR	GLIDDEN-DURKEE SCH 4	8.6	1.6	1.8	1.8	30.0	7.4	1.5	9.1	5900.0	--	--	0.01	0.1	77.0	6.5	23.0	48.0	4-12-72
40.0592	74.3283	029	211MGRR	GLIDDEN-DURKEE SCH 4	9.5	1.3	1.4	1.8	36.0	5.6	2.6	9.2	5700.0	--	--	--	0.1	62.0	6.0	22.8	55.0	7-11-75
40.0692	74.0683	029	211MGRR	PT PLEASANT BORO WD 7	16.0	4.1	4.1	3.9	75.0	12.0	0.8	9.5	4300.0	--	0.40	0.10	0.2	148.0	8.0	26.0	88.0	7-16-69
40.0692	74.0683	029	211MGRR	PT PLEASANT BORO WD 7	16.0	3.7	3.8	5.9	69.0	12.0	0.9	10.0	2800.0	--	--	0.03	0.1	145.0	6.8	23.5	87.0	4-11-72
40.0817	74.0706	029	211MGRR	PT PLEASANT BORO WD 5	16.0	4.0	3.5	3.9	70.0	12.0	4.0	9.8	6600.0	--	0.20	0.07	0.2	139.0	8.0	26.0	88.0	7-16-69
40.0817	74.0706	029	211MGRR	PT PLEASANT BORO WD 5	15.0	3.1	3.2	5.4	65.0	11.0	0.9	10.0	3000.0	--	--	0.02	0.1	136.0	6.8	23.5	81.0	4-11-72
40.0711	74.4503	029	211MLRL	COLLIERS MILLS TW3 OBS	24.0	3.2	2.0	4.9	100.0	2.8	2.3	11.0	160.0	--	--	--	0.2	168.0	7.8	13.5	100.0	9- 6-77
39.9917	74.2392	029	211RRTH	TOMS RIVER CHEM #4 OBS	27.0	6.1	12.0	9.6	146.0	3.7	1.6	13.0	530.0	--	0.20	0.02	0.5	249.0	7.9	19.0	147.0	5- 5-72
39.5928	75.2978	033		HORNER OBS	30.0	11.0	7.8	4.7	165.0	5.9	1.6	22.0	--	--	0.50	--	0.3	267.0	7.2	15.0	165.0	10-13-58
39.6061	75.2586	033		GARRISON OBS	35.0	7.8	10.0	3.3	131.0	34.0	2.0	13.0	--	--	0.30	--	0.1	290.0	7.9	15.0	170.0	3-12-59
39.6508	75.3281	033		SPINOSI CLOTHES 1	74.0	1.5	4.4	1.9	150.0	48.0	24.0	17.0	30.0	--	--	--	0.2	413.0	7.6	15.6	245.0	4-27-56
39.5619	75.1389	033	121CNSY	PAULAITIS, C -IRRIG WELL	0.4	0.5	4.0	0.4	3.0	3.7	3.4	6.3	--	--	1.30	--	--	21.0	5.2	12.5	21.0	12-10-59
39.5050	75.1342	033	122KRKD	NJ DEP PARVIN ST PK-PW A	2.3	0.4	7.4	5.2	11.0	19.0	3.0	22.0	--	--	1.20	--	0.2	40.0	6.0	10.5	66.0	4-27-56
39.5497	75.1300	033	122KRKD	VAN KEUREN, PIERCE	16.0	1.3	1.8	0.8	39.0	16.0	2.3	45.0	--	--	0.80	--	0.6	100.0	7.3	12.0	106.0	12-29-59
39.5092	75.4611	033	125VNCN	RIDGEWAY, EDWARD	51.0	8.0	20.0	5.1	206.0	4.0	27.0	29.0	--	--	2.60	--	0.2	413.0	7.8	13.5	248.0	5- 7-51
39.5481	75.4069	033	125VNCN	SALEM CITY WD-QUINTON 3	60.0	8.7	7.4	4.9	212.0	24.0	5.6	36.0	1900.0	--	0.70	--	0.4	390.0	7.6	--	252.0	12-21-50
39.5608	75.4550	033	125VNCN	SALEM CITY WD 2	39.0	8.8	210.0	2.7	255.0	167.0	174.0	13.0	1600.0	--	0.20	--	0.1	1310.0	7.3	10.6	741.0	3-16-65
39.5611	75.3611	033	125VNCN	WILLIAMS GENERAL STORE	36.0	12.0	9.0	6.9	170.0	30.0	3.0	12.0	--	--	--	--	0.3	327.0	8.0	11.5	194.0	4-26-56
39.6417	75.2833	033	125VNCN	SHEENAN, R P	59.0	9.0	3.4	3.8	227.0	34.0	2.0	23.0	--	--	0.30	--	0.3	411.0	8.0	14.5	257.0	4-27-56
39.6619	75.3767	033	211EGLS	HARRIS SALES CO 1	44.0	1.7	2.6	2.4	126.0	18.0	3.4	16.0	--	--	--	--	0.8	243.0	7.2	14.0	151.0	10-11-57
39.4642	75.5353	033	211MGRR	PUBLIC SERVICE TEST 1-80	9.5	1.7	250.0	--	124.0	4.8	300.0	9.2	23.0	--	--	--	--	1140.0	7.8	22.7	639.0	9- 9-80
39.6533	75.4100	033	211MGRR	EI DUPONT-COURSE LAND 3C	10.0	3.5	24.0	5.1	63.0	17.0	17.0	4.0	230.0	--	0.40	0.10	0.1	198.0	7.0	--	112.0	5- 1-67
39.6658	75.4089	033	211MGRR	EI DUPONT-COURSE LAND 1A	7.0	2.2	170.0	5.0	180.2	11.0	176.0	4.5	--	--	0.30	--	0.8	849.0	8.4	--	466.0	5- 1-67
39.6667	75.4108	033	211MGRR	EI DUPONT-COURSE LAND 2A	7.2	1.5	80.0	4.1	148.0	15.0	42.0	5.3	240.0	--	0.10	0.10	0.5	398.0	8.3	--	231.0	5- 1-67
39.7011	75.4497	033	211MGRR	PENNS GROVE WC LAYTN1-79	15.0	9.0	4.7	4.1	22.0	33.0	19.0	13.0	19.0	--	--	--	--	214.0	5.9	15.0	109.0	9-23-80
39.7156	75.4564	033	211MGRR	PENNS GROVE WC-RANNEY	24.0	5.2	7.2	2.0	57.0	29.0	9.4	14.0	--	--	10.00	--	0.1	210.0	8.1	11.0	129.0	1-11-51
39.6828	75.4083	033	211MGRR1	EI DUPONT-RANNEY 2	2.5	1.0	113.0	3.2	164.2	8.8	84.0	8.1	1400.0	--	--	1.90	0.6	544.0	8.4	--	302.0	12- 7-67
39.6867	75.5078	033	211MGRR1	EI DUPONT-DRINKWATER 8	3.4	0.3	80.0	2.2	141.0	13.0	37.0	8.5	1800.0	--	0.70	--	--	352.0	8.0	15.0	217.0	3- 6-51
39.7014	75.4492	033	211MGRR1	PENNS GROVE WC-LAYTON 11	9.5	1.9	225.0	3.7	177.0	9.0	256.0	8.2	100.0	--	1.10	--	0.8	1130.0	7.9	8.9[2]	603.0	1-11-51
39.7014	75.4492	033	211MGRR1	PENNS GROVE WC-LAYTON 11	8.3	1.9	223.0	5.0	183.1	7.7	242.0	7.7	600.0	--	0.20	0.84	0.6	1120.0	8.4	--	587.0	2-16-68
39.7033	75.4642	033	211MGRR1	EI DUPONT-CARNEY PT 7	3.9	0.9	133.0	3.5	170.0	6.1	102.0	7.6	340.0	--	0.50	1.20	0.6	628.0	8.3	14.0	345.0	2-16-68
39.7156	75.4550	033	211MGRR1	PENNS GROVE WC-LAYNE 1	7.8	1.7	190.0	4.7	172.1	6.7	195.0	7.7	930.0	--	0.20	0.86	0.6	946.0	8.4	14.0	499.0	2-16-68
39.7156	75.4550	033	211MGRR1	PENNS GROVE WC-LAYNE 1	9.2	1.8	200.0	4.5	163.0	4.2	210.0	8.0	770.0	--	--	0.06	--	886.0	7.5	14.5	529.0	9-23-80
39.5633	75.4658	033	211MGRR2	SALEM 1 OBS	160.0	35.0	1000.0	29.0	150.0	2.3	1900.0	7.1	7500.0	--	--	--	0.3	5000.0	6.9	16.0	3220.0	6- 6-78
39.6056	75.5528	033	211MGRR2	NJ DEP-FT MOTT S P 1	12.0	1.4	116.0	4.9	129.0	1.8	131.0	5.4	2100.0	--	--	--	0.3	654.0	7.6	11.7	336.0	4-26-56
39.6056	75.5528	033	211MGRR2	NJ DEP-FT MOTT S P 1	9.8	1.1	104.0	4.0	126.0	5.9	103.0	7.7	3600.0	--	0.60	--	1.6	548.0	7.4	13.3	300.0	12-15-59
39.6056	75.5528	033	211MGRR2	NJ DEP-FT MOTT S P 1	6.8	1.7	101.0	5.2	126.0	3.0	102.0	6.5	3600.0	--	0.20	0.19	0.2	540.0	8.3	13.0	290.0	2-26-68
39.6114	75.5561	033	211MGRR2	US ARMY-FINNS PT CEM	5.7	1.2	130.0	4.0	142.0	6.4	110.0	7.9	1900.0	--	--	0.74	--	537.0	7.4	15.0	338.0	10-10-80
39.6114	75.5561	033	211MGRR2	US ARMY-FINNS PT CEM	14.0	3.3	179.0	0.6	121.0	7.5	238.0	8.7	4600.0	--	0.90	--	0.2	972.0	7.1	15.0	511.0	11-19-59
39.6114	75.5561	033	211MGRR2	US ARMY-FINNS PT CEM	11.0	2.7	169.0	6.6	128.0	3.0	205.0	6.4	7700.0	--	0.30	0.10	0.2	890.0	8.1	15.0	467.0	2-26-68
39.6467	75.3361	033	211MGRR2	ACME MARKETS 1	2.9	0.7	134.0	4.4	247.0	11.0	62.0	9.4	550.0	--	0.50	--	2.8	610.0	7.9	16.1	350.0	2- 9-60
39.6467	75.3361	033	211MGRR2	ACME MARKETS 1	3.0	0.7	143.0	4.8	261.2	8.4	72.0	6.5	2500.0	--	0.20	1.20	3.0	655.0	8.6	13.0	371.0	2-27-68
39.6511	75.3294	033	211MGRR2	WOODSTOWN BORO WD 1	3.8	0.3	195.0	4.3	244.0	32.0	137.0	8.9	100.0	--	1.20	--	2.6	864.0	8.1	16.7	505.0	1-11-51
39.6511	75.3294	033	211MGRR2	WOODSTOWN BORO WD 1	3.6	0.7	200.0	4.6	256.0	5.5	146.0	9.6	--	--	0.70	--	2.2	866.0	8.1	16.5	498.0	11-19-58
39.6511	75.3294	033	211MGRR2	WOODSTOWN BORO WD 1	3.9	0.6	172.0	4.5	233.0	5.4	139.0	9.9	50.0	--	0.20	--	2.5	865.0	7.9	16.7	453.0	12- 9-58
39.6511	75.3294	033	211MGRR2	WOODSTOWN BORO WD 1	3.2	0.9	200.0	5.5	254.3	6.3	158.0	8.4	140.0	--	0.50	1.70	2.4	913.0	8.6	17.0	510.0	2-27-68
39.6511	75.3294	033	211MGRR2	WOODSTOWN BORO WD 2	3.8	0.9	197.0	5.4	252.2	5.4	162.0	8.3	210.0	--	--	1.50	2.0	960.0	8.6	17.0	509.0	2-27-68
39.6533	75.4100	033	211MGRR2	EI DUPONT-COURSE LAND 3A	3.7	0.8	113.0	3.4	219.0	4.3	62.0	8.2	10.0	--	0.20	1.20	0.2	524.0	8.1	--	304.0	5- 1-67
39.6533	75.4100	033	211MGRR2	EI DUPONT-COURSE LAND 3B	7.0	1.4	78.0	3.2	201.0	3.7	18.0	5.1	--	--	--	--	--	358.0	8.0	--	--	5- 1-67
39.6575	75.3242	033	211MGRR2	WOODSTOWN BORO WD 3	3.9	0.8	240.0	4.6	299.0	7.1	170.0	8.2	6.0[4]	--	--	1.70	--	887.0	7.9	19.0	584.0	10- 6-80
39.6578	75.3631	033	211MGRR2	RICHMAN ICE CREAM 1	3.0	0.6	108.0	3.2	228.8	5.4	42.0	7.8	--	--	0.40	--	2.1	517.0	8.4	15.5	--	4-27-56
39.6578	75.3631	033	211MGRR2	RICHMAN ICE CREAM 1	2.7	0.3	83.0	2.9	207.0	3.1	21.0	8.0	930.0	--	--	2.00	--	391.0	8.0	16.0	227.0	9-16-80
39.6578	75.3631	033	211MGRR2	RICHMAN ICE CREAM 1	1.7	0.4	94.0	3.2	215.2	4.0	22.0	8.3	170.0	--	0.20	1.40	1.2	409.0	8.6	15.0	241.0	2-27-68
39.6578	75.3631	033	211MGRR2	RICHMAN ICE CREAM 2	2.5	0.6	118.0	3.8	231.1	6.4	49.0	7.9	130.0	--	--	1.50	1.8	523.0	8.5	16.0	304.0	2-27-68

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.6600	75.4103	033	211MGRR2	EI DUPONT-COURSE LAND P1	1.9	0.4	85.0	2.6	188.0	2.2	23.0	8.4	200.0	--	--	1.50	--	350.0	7.7	16.0	218.0	10-15-80
39.6600	75.4103	033	211MGRR2	EI DUPONT-COURSE LAND P1	2.2	0.2	86.0	4.5	185.0	4.1	26.0	7.6	--	--	0.20	0.80	1.0	369.0	8.1	--	223.0	5-18-67
39.6617	75.3761	033	211MGRR2	EI DUPONT-COURSE LAND 4B	1.0	0.2	98.0	2.2	232.0	9.8	10.0	8.0	2800.0	--	0.80	--	0.2	382.0	8.0	--	244.0	5- 1-67
39.6617	75.3761	033	211MGRR2	EI DUPONT-COURSE LAND 4C	1.0	0.5	100.0	2.8	236.0	4.1	19.0	8.4	640.0	--	0.40	2.20	2.0	416.0	8.2	--	257.0	5- 1-67
39.6658	75.4089	033	211MGRR2	EI DUPONT-COURSE LAND 1B	7.8	2.2	76.0	4.5	144.0	14.0	42.0	4.7	--	--	0.10	--	0.6	378.0	8.2	--	223.0	5- 1-67
39.6658	75.4089	033	211MGRR2	EI DUPONT-COURSE LAND 1C	12.0	4.8	30.0	5.8	68.0	38.0	22.0	5.6	--	--	0.60	--	0.2	256.0	7.6	--	152.0	5- 1-67
39.6661	75.5125	033	211MGRR2	PENNSVILLE TWP WD 1	8.0	2.1	79.0	4.0	134.0	0.6	62.0	10.0	3300.0	--	0.90	0.55	0.3	421.0	8.2	14.0	233.0	2-26-68
39.6667	75.4108	033	211MGRR2	EI DUPONT-COURSE LAND 2B	4.4	1.1	130.0	3.4	123.0	9.3	138.0	3.3	--	--	0.30	--	0.4	643.0	8.2	--	351.0	5- 1-67
39.6667	75.4108	033	211MGRR2	EI DUPONT-COURSE LAND 2C	3.8	1.1	78.0	4.9	162.0	3.7	30.0	8.4	390.0	--	0.40	0.50	1.0	347.0	8.1	--	211.0	5- 1-67
39.6692	75.5119	033	211MGRR2	PENNSVILLE TWP WD 2	11.0	3.4	81.0	4.7	108.0	6.1	98.0	2.5	--	--	0.93	0.03	0.6	479.0	6.8	18.5	261.0	9-21-73
39.6692	75.5119	033	211MGRR2	PENNSVILLE TWP WD 2	14.0	2.3	90.0	4.0	131.0	25.0	74.0	9.7	300.0	--	0.80	--	0.5	466.0	6.5	12.8	292.0	1-11-51
39.6692	75.5119	033	211MGRR2	PENNSVILLE TWP WD 2	13.0	4.1	73.0	4.7	92.0	0.8	86.0	11.0	18000.0	--	7.10	0.11	0.4	467.0	8.0	14.0	245.0	2-26-68
39.6703	75.4164	033	211MGRR2	EI DUPONT-COURSE LAND P3	2.3	0.5	58.0	2.9	161.0	1.1	9.9	8.6	350.0	--	--	1.30	--	255.0	7.4	15.0	164.0	10-15-80
39.6769	75.3208	033	211MGRR2	POINT AIRY OBS	2.4	1.0	134.0	4.5	212.0	25.0	73.0	13.0	--	--	1.30	--	0.7	607.0	8.0	15.9	359.0	10-24-58
39.6769	75.3208	033	211MGRR2	POINT AIRY OBS	3.6	1.0	200.0	3.3	240.0	4.7	180.0	9.3	--	--	1.10	--	1.2	971.0	8.0	15.0	523.0	12-24-58
39.6769	75.3208	033	211MGRR2	POINT AIRY OBS	74.0	8.4	25.0	6.1	264.0	65.0	5.2	12.0	--	--	0.80	--	0.3	526.0	7.8	14.4	327.0	9-23-58
39.6794	75.5061	033	211MGRR2	ATL CITY EL-DEEPWATER 3	3.4	1.4	78.0	3.6	154.0	3.9	46.0	10.0	2600.0	--	0.20	1.10	1.2	389.0	8.2	14.0	226.0	2-15-68
39.6797	75.5075	033	211MGRR2	ATL CITY EL-DEEPWATER 2	7.8	2.6	69.0	3.8	135.0	0.8	50.0	12.0	2500.0	--	0.40	0.53	0.7	375.0	7.9	--	214.0	2-15-68
39.6806	75.5083	033	211MGRR2	ATL CITY EL-DEEPWATER 5	6.4	1.6	63.0	3.8	124.0	1.6	42.0	13.0	2400.0	--	2.50	0.52	0.6	332.0	8.0	14.0	196.0	2-15-68
39.6833	75.5083	033	211MGRR2	ATL CITY EL-DEEPWATER 6	14.0	4.8	66.0	4.9	136.0	1.0	62.0	14.0	2500.0	--	3.20	0.28	0.4	424.0	8.1	15.0	237.0	2-15-68
39.6839	75.3286	033	211MGRR2	KELLY, W F	4.5	1.5	82.0	6.2	180.0	16.0	25.0	8.7	--	--	0.40	--	0.7	383.0	7.7	16.0	234.0	1-29-60
39.6881	75.3686	033	211MGRR2	DUBOIS BROTHERS IRR 74	8.4	1.9	44.0	5.0	159.0	2.4	2.3	7.9	410.0	--	--	0.71	--	247.0	7.7	15.5	152.0	9-16-80
39.6942	75.3969	033	211MGRR2	NJ TPKE SERV AREA 1N-1	6.3	1.7	27.0	5.0	102.0	0.6	3.5	7.9	1500.0	--	0.60	0.49	0.2	169.0	8.2	--	103.0	2-16-68
39.6942	75.3969	033	211MGRR2	NJ TPKE SERV AREA 1N-1	6.3	1.5	24.0	4.5	100.0	1.0	3.1	8.8	1400.0	--	--	0.95	--	168.0	7.0	15.0	101.0	9- 8-80
39.6947	75.3953	033	211MGRR2	NJ TPKE SERV AREA 1N-2	6.4	1.6	28.0	4.6	102.0	1.4	4.0	8.3	2000.0	--	0.30	0.45	0.1	168.0	8.0	--	105.0	2-16-68
39.6969	75.4878	033	211MGRR2	EI DUPONT-CARNEY PT 2	29.0	3.7	85.0	11.0	122.0	15.0	120.0	4.9	1400.0	--	--	0.03	--	600.0	7.4	14.5	331.0	10-15-80
39.6969	75.4883	033	211MGRR2	EI DUPONT-CARNEY PT 3	42.0	26.0	98.0	3.8	--	215.0	177.0	32.0	93000.0	200.0	0.20	0.02	--	1220.0	3.2	13.0	598.0	2-16-68
39.6981	75.4892	033	211MGRR2	EI DUPONT-CARNEY PT 4	44.0	34.0	159.0	5.1	--	193.0	282.0	30.0	18000.0	200.0	0.20	0.01	--	1420.0	3.7	13.0	752.0	2-16-68
39.6983	75.4886	033	211MGRR2	EI DUPONT-CARNEY PT 1	36.0	13.0	101.0	6.6	28.0	80.0	190.0	14.0	47000.0	--	2.50	0.03	0.2	856.0	7.5	14.0	457.0	2-16-68
39.7022	75.4031	033	211MGRR2	EI DUPONT-CARNEY PT 5	6.5	3.3	13.0	1.6	--	32.0	21.0	25.0	35000.0	--	0.80	0.02	0.1	166.0	4.7	14.0	104.0	2-16-68
39.7031	75.4836	033	211MGRR2	EI DUPONT-CARNEY PT 6	16.0	5.6	51.0	4.1	23.0	48.0	73.0	10.0	23000.0	--	1.10	0.02	0.1	419.0	7.4	13.0	220.0	2-16-68
39.7428	75.4206	033	211MGRR2	PENNS GROVE WC-PD,TWN 11	9.2	4.3	6.5	1.6	15.0	22.0	9.8	14.0	--	--	10.00	--	0.1	131.0	6.3	11.0	85.0	4- 9-51
39.7428	75.4206	033	211MGRR2	PENNS GROVE WC-PD,TWN 11	5.3	1.9	3.7	1.5	31.0	1.0	4.5	11.0	19000.0	--	0.30	0.06	0.1	68.0	7.5	--	43.0	2-16-68
39.7611	75.4278	033	211MGRR2	NL INDUSTRIES MON 8R	9.5	1.4	2.6	1.8	39.0	--	6.2	11.0	1300.0	--	--	0.03	--	84.0	6.2	14.0	54.0	11-21-80
39.5633	75.4658	033	211MGRR3	SALEM 3 OBS	66.0	19.0	425.0	15.0	223.0	7.6	700.0	9.5	970.0	--	0.60	--	0.6	2490.0	8.2	15.6	1350.0	9- 2-65
39.6297	75.3642	033	211MGRR3	SALEM CO OFFICE BLDG 1	6.1	1.7	88.0	4.5	193.0	12.0	27.0	8.5	150.0	--	--	1.30	--	376.0	8.0	15.0	245.0	10-14-80
39.6317	75.5300	033	211MGRR3	PENNSVILLE TWP WD 4	12.0	4.4	11.0	2.7	78.0	0.8	7.8	37.0	2700.0	--	3.10	0.59	0.1	157.0	8.0	13.0	120.0	2-27-68
39.6539	75.3250	033	211MGRR3	WOODSTOWN ICE & COAL 1	34.0	7.3	68.0	7.8	194.0	86.0	13.0	8.6	--	--	0.50	--	0.3	507.0	7.5	14.5	321.0	10-23-58
39.6650	75.5036	033	211MGRR3	PENNSVILLE TWP WD 3	4.1	2.2	7.7	1.1	24.0	9.5	6.6	31.0	22000.0	--	0.40	0.11	0.1	88.0	8.1	13.0	74.0	2-26-68
39.6758	75.3175	033	211MGRR3	DAVIS, ALLEN	78.0	10.0	22.0	9.2	259.0	64.0	4.0	5.6	--	--	0.10	--	0.3	527.0	7.7	13.5	321.0	2-23-60
39.6028	75.4883	033	211MGRR3	EI DUPONT-RANNEY 1	19.0	11.0	50.0	3.6	--	82.0	93.0	24.0	--	--	1.40	--	0.3	515.0	4.2	--	301.0	3- 6-51
39.6828	75.4883	033	211MGRR3	EI DUPONT-RANNEY 3	6.2	4.5	10.0	1.6	26.0	7.1	20.0	32.0	2500.0	--	0.20	0.18	--	129.0	7.2	--	94.0	12- 7-67
39.6839	75.4961	033	211MGRR3	EI DUPONT-RANNEY 6	11.0	7.0	23.0	1.9	--	44.0	56.0	30.0	610.0	100.0	--	--	--	378.0	3.7	--	174.0	12- 7-67
39.7100	75.4558	033	211MGRR3	PENNS GROVE 24 OBS	13.0	9.0	4.9	2.4	5.0	64.0	10.0	17.0	220.0	--	--	--	0.1	281.0	5.3	13.2	123.0	5- 6-76
39.7100	75.4558	033	211MGRR3	PENNS GROVE 24 OBS	14.0	8.8	5.3	2.7	3.0	61.0	12.0	17.0	270.0	--	--	--	0.1	230.0	5.0	13.1	123.0	6-24-75
39.7114	75.3669	033	211MGRR3	OLDSMANS TWP WD 1	14.0	2.6	19.0	3.9	108.0	2.9	1.7	11.0	1500.0	--	--	1.50	--	173.0	7.2	14.5	112.0	10- 3-80
39.7131	75.4539	033	211MGRR3	PENNS GROVE WC 2B	9.6	8.1	9.4	2.5	5.0	46.0	13.0	13.0	21.0	--	--	0.15	--	178.0	5.1	13.0	105.0	9-23-80
39.7161	75.3667	033	211MGRR3	BSA-AUBURN HILL CAMP	13.0	3.2	21.0	4.2	109.0	--	2.0	12.0	--	--	0.60	--	0.2	185.0	7.3	13.5	110.0	11- 5-58
39.5603	75.4553	033	211MLRL	SALEM CITY WD-KEASB CK 5	86.0	4.0	29.0	3.0	172.0	39.0	88.0	16.0	--	--	1.00	--	--	621.0	7.6	14.0	351.0	4-27-64
39.5603	75.4553	033	211MLRL	SALEM CITY WD-KEASB CK 5	64.0	3.5	13.0	2.4	164.0	24.0	30.0	16.0	22000.0	--	--	--	--	415.0	7.9	--	234.0	3-18-65
39.5603	75.4553	033	211MLRL	SALEM CITY WD-KEASB CK 5	74.0	6.4	18.0	2.4	160.0	31.0	62.0	16.0	810.0	--	0.20	--	--	517.0	7.1	12.8	209.0	3-19-65
39.5608	75.4550	033	211MLRL	USGS-SALEM CITY 1	23.0	3.8	9.7	3.0	56.0	40.0	6.6	10.0	2200.0	--	0.70	--	0.1	217.0	7.4	8.9	125.0	12-21-50
39.5608	75.4550	033	211MLRL	USGS-SALEM CITY 1	34.0	6.8	205.0	2.2	256.0	160.0	139.0	12.0	750.0	--	0.50	--	0.2	1180.0	7.3	12.8	686.0	3-20-65
39.4642	75.4114	033	211MLRW	L ALLOWAY CR ELEM SCH 1	18.0	6.8	77.0	9.5	231.0	6.6	34.0	8.1	--	--	0.10	--	0.5	467.0	8.0	15.5	275.0	9-16-64
39.4928	75.3411	033	211MLRW	DE WILDE, LOUIS	10.0	3.9	74.0	9.8	233.0	7.8	14.0	9.5	--	--	1.10	0.05	0.6	399.0	7.9	15.0	246.0	6-16-64
39.5294	75.3228	033	211MLRW	COBB, W	14.0	6.1	28.0	8.0	144.0	6.8	3.7	11.0	--	--	1.20	0.17	0.2	242.0	7.9	15.0	150.0	7-16-64
39.5294	75.3228	033	211MLRW	COBB, W	15.0	5.1	24.0	8.2	141.0	6.4	4.0	6.6	--	--	1.20	--	0.3	245.0	8.2	10.0	143.0	4-27-56
39.5383	75.4697	033	211MLRW	SALEM CITY WD 4	126.0	7.4	8.3	6.0	139.0	94.0	104.0	20.0	--	--	--	0.12	0.1	753.0	7.3	14.0	435.0	5-19-64
39.5617	75.4550	033	211MLRW	SALEM CITY WD-KEASB CK 2	128.0	5.0	29.0	2.8	198.0	54.0	140.0	14.0	--	--	0.20	--	--	835.0	7.5	13.5	470.0	4-27-64
39.5633	75.4658	033	211MLRW	SALEM 2 OBS	77.0	2.5	2.8	3.1	134.0	51.0	41.0	17.0	940.0	--	--	--	0.1	460.0	7.2	13.6	262.0	6-24-75

Table 5.--Chemical analyses of selected ground-water samples from the Coastal Plain of New Jersey--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.5633	75.4658	033	211MLRW	SALEM 2 OBS	80.0	2.4	2.4	2.9	136.0	44.0	32.0	17.0	860.0	--	--	--	0.2	493.0	7.1	13.6	249.0	5-10-76
39.5656	75.3192	033	211MLRW	HASKER, LEWIS	30.0	8.9	11.0	7.0	138.0	32.0	1.6	14.0	--	--	0.90	--	0.3	290.0	7.4	15.5	174.0	7- 7-59
39.5722	75.4642	033	211MLRW	SALEM CITY WD 1	23.0	3.8	9.7	3.0	56.0	40.0	6.6	10.0	--	--	0.70	0.20	0.1	217.0	7.4	9.0	125.0	12-21-50
39.5808	75.4553	033	211MLRW	MANNINGTON MILLS 2-47	42.0	1.5	4.9	3.9	137.0	7.1	7.0	22.0	--	--	0.50	--	0.6	249.0	7.2	15.5	157.0	7-29-59
39.5928	75.1717	033	211MLRW	ELMER BORO WD 3	6.8	3.2	68.0	6.4	203.0	8.6	4.8	8.1	--	--	1.00	--	0.6	335.0	8.0	--	208.0	9-18-64
39.5928	75.1717	033	211MLRW	ELMER BORO WD 3	8.0	2.5	64.0	7.3	191.0	7.7	5.1	8.5	70.0	--	--	--	--	333.0	8.2	17.8	197.0	3-28-75
39.5939	75.4444	033	211MLRW	SALEM CO HOSPITAL 1	47.0	2.2	4.9	2.2	149.0	9.3	9.3	14.0	1200.0	--	--	--	0.3	275.0	7.4	13.6	163.0	7-29-59
39.6069	75.2536	033	211MLRW	DARETOWN PUBLIC SCHOOL 1	36.0	9.2	11.0	4.9	135.0	38.0	1.8	14.0	--	--	0.40	--	--	308.0	7.8	15.5	182.0	3-12-59
39.6494	75.3114	033	211MLRW	WORDSWORTH, J M	72.0	2.2	4.0	2.4	236.0	8.9	4.6	26.0	--	--	--	--	0.1	377.0	7.5	13.5	236.0	7-27-59

[1] Unreasonable WATSTORE value was changed to agree with data records maintained by local U.S. Geological Survey offices.
[2] Measurement was made during winter months and was probably taken after sample cooled.
[3] Value was verified to agree with data records maintained by local U.S. Geological Survey offices.
[4] Pusillo and Voronin, 1981, table 3.
[5] Farlekas and others, 1976, table 10, p. 141.

Table 6.--Chemical analyses of selected ground-water samples from the Coastal Plain of Delaware.

[Results in milligrams per liter except as indicated]

County: Codes are defined in table 3.
Geologic unit code: Codes are defined in table 4.
Iron and Aluminum: Micrograms per liter. One milligram equals 1000 micrograms.
Specific conductance: Microsiemens per centimeter at 25° Celsius.
pH: Negative base-10 logarithm of hydrogen ion activity in moles per liter.
Temperature: Degrees Celsius.
Collection date: Month, day and year of sample collection.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.8908	75.5308	001	112CLMB	MD24 3	0.6	0.7	7.0	1.3	15.0	0.4	4.9	--	--	--	4.70	--	--	42.0	6.9	14.0	--	8- 4-70
39.0211	75.6147	001	112CLMB	KC44 1	1.9	0.6	7.1	0.8	15.8	4.5	2.7	20.0	90.0	--	--	--	0.1	63.0	5.3	14.5	46.0	6-16-81
39.1725	75.5433	001	112CLMB	ID53 6	2.5	1.6	8.4	1.4	6.0	11.0	9.0	17.0	110.0	--	--	--	0.1	58.0	4.7	14.0	54.0	12-21-76
39.1725	75.5433	001	112CLMB	ID53 6	2.9	1.6	8.2	1.5	6.0	12.0	10.0	17.0	200.0	--	--	--	0.1	95.0	4.4	14.5	57.0	1-14-77
39.1261	75.4875	001	122CSLD	JE31 2	32.0	5.1	20.0	2.9	169.0	5.0	2.6	47.0	--	--	0.30	--	--	279.0	7.7	14.5	--	4-14-66
39.1261	75.4875	001	122CSLD	JE31 2	35.0	5.2	21.0	3.2	171.0	4.9	3.1	44.0	--	--	0.50	--	0.1	275.0	7.3	15.0	201.0	4-18-67
39.1261	75.4875	001	122CSLD	JE31 2	29.0	5.2	22.0	3.3	176.0	5.9	2.3	44.0	--	--	0.70	--	0.1	277.0	7.6	16.0	199.0	4-18-68
39.1261	75.4875	001	122CSLD	JE31 2	21.0	4.3	31.0	3.4	168.0	7.7	3.0	32.0	--	--	0.10	--	0.3	276.0	8.0	--	186.0	4-15-69
39.1261	75.4875	001	122CSLD	JE31 2	32.0	5.6	20.0	3.4	170.1	--	2.5	48.0	--	--	0.30	--	0.2	269.0	8.3	15.5	200.0	4-16-70
39.1261	75.4875	001	122CSLD	JE31 2	33.0	5.4	20.0	2.9	167.0	3.5	2.0	50.0	--	--	0.20	--	0.1	270.0	8.2	--	199.0	10-17-72
39.1261	75.4875	001	122CSLD	JE31 2	34.0	5.4	20.0	3.2	172.0	4.3	2.3	50.0	--	--	0.06	--	0.2	273.0	8.0	--	204.0	1-11-74
39.1261	75.4875	001	122CSLD	JE31 2	32.0	5.3	20.0	3.0	168.0	3.0	2.5	50.0	10.0	--	--	--	0.1	279.0	7.9	--	199.0	2- 9-76
39.1272	75.4828	001	122CSLD	JE32 3	36.0	6.8	22.0	3.4	193.0	3.6	3.1	52.0	--	--	0.30	--	--	315.0	7.7	14.5	222.0	4-14-66
39.1272	75.4828	001	122CSLD	JE32 3	38.0	6.4	20.0	3.6	188.0	3.7	3.2	45.0	--	--	0.60	--	--	307.0	7.4	15.5	213.0	4-18-67
39.1272	75.4828	001	122CSLD	JE32 3	35.0	6.5	22.0	3.8	204.0	5.1	2.6	44.0	--	--	0.30	--	0.2	312.0	7.5	17.0	220.0	4-18-68
39.1272	75.4828	001	122CSLD	JE32 3	36.0	5.8	20.0	3.4	188.0	4.2	1.0	47.0	--	--	0.10	--	--	302.0	7.9	--	210.0	4-15-69
39.1272	75.4828	001	122CSLD	JE32 3	40.0	7.3	18.0	3.8	199.0	--	3.1	47.0	--	--	0.20	--	0.1	312.0	7.9	15.5	218.0	4-16-70
39.1272	75.4828	001	122CSLD	JE32 3	41.0	7.1	22.0	3.6	202.0	2.3	2.6	51.0	--	--	0.40	--	0.1	316.0	8.0	--	230.0	10-17-72
39.1272	75.4828	001	122CSLD	JE32 3	38.0	6.8	21.0	3.8	198.0	4.0	2.7	52.0	--	--	0.07	--	0.2	315.0	8.0	--	226.0	1-11-74
39.1272	75.4828	001	122CSLD	JE32 3	40.0	6.0	12.0	3.0	173.0	2.5	3.6	57.0	10.0	--	--	--	0.1	285.0	7.8	--	210.0	2- 9-76
39.1281	75.4839	001	122CSLD	JE31 1	41.0	3.9	12.0	2.8	169.0	4.0	4.0	54.0	--	--	0.40	--	--	283.0	7.7	14.5	205.0	4-14-66
39.1281	75.4839	001	122CSLD	JE31 1	37.0	5.6	13.0	3.0	165.0	4.5	4.5	47.0	--	--	0.60	--	0.1	268.0	7.4	15.0	197.0	4-18-67
39.1281	75.4839	001	122CSLD	JE31 1	35.0	5.7	15.0	3.2	176.0	5.1	3.7	48.0	--	--	0.20	--	0.1	282.0	7.5	16.0	203.0	4-18-68
39.1281	75.4839	001	122CSLD	JE31 1	38.0	6.5	10.0	3.3	172.0	4.2	2.0	50.0	--	--	0.30	--	--	287.0	7.9	--	199.0	4-15-69
39.1281	75.4839	001	122CSLD	JE31 1	42.0	6.7	11.0	4.0	175.0	4.0	3.8	52.0	--	--	0.20	--	0.2	289.0	8.2	15.0	210.0	4-16-70
39.1281	75.4839	001	122CSLD	JE31 1	39.0	5.9	13.0	2.9	168.0	2.7	3.7	54.0	--	--	0.20	--	0.1	278.0	7.8	--	204.0	10-17-72
39.1281	75.4839	001	122CSLD	JE31 1	41.0	6.0	14.0	3.2	173.0	4.0	3.7	55.0	--	--	0.06	--	0.2	285.0	7.9	--	212.0	1-11-74
39.1281	75.4839	001	122CSLD	JE31 1	39.0	6.0	12.0	3.0	172.0	2.4	3.7	57.0	10.0	--	--	--	0.1	288.0	7.9	--	208.0	2- 9-76
39.1539	75.5194	001	122CSLD	JD14 16	41.0	5.4	22.0	2.6	173.0	7.1	13.0	49.0	10.0	--	--	--	0.1	342.0	7.8	15.0	226.0	10-13-76
38.9236	75.5783	001	122FRDC	LD51 1	54.0	8.1	9.0	2.0	224.0	5.0	2.9	57.0	--	--	0.30	--	0.1	335.0	7.8	15.0	249.0	10-27-51
39.1775	75.5486	001	122FRDC	ID53 5	12.0	1.2	8.5	1.4	1.0	42.0	12.0	23.0	--	--	--	--	0.3	145.0	5.0	14.0	101.0	3-20-73
39.2019	75.5697	001	122MOCN	ID31 11	34.0	2.9	6.0	1.8	89.0	17.0	10.0	39.0	--	--	8.00	--	0.2	243.0	7.4	16.0	163.0	6-22-70
38.9164	75.4217	001	124PNPN	ME15 29	9.0	3.7	198.0	10.0	481.6	10.0	64.0	50.0	--	--	0.30	--	0.3	930.0	8.6	--	583.0	5-13-68
38.9164	75.4217	001	124PNPN	ME15 29	7.3	12.0	690.0	21.0	763.9	254.0	535.0	19.0	--	--	3.40	--	0.7	3150.0	8.9	--	1920.0	5-12-68
39.0042	75.5786	001	124PNPN	KD51 5	7.4	5.3	121.0	8.0	348.0	11.0	7.2	9.8	--	--	0.90	--	1.6	566.0	8.2	17.0	343.0	3-30-70
39.0694	75.5683	001	124PNPN	KD11 0	14.0	8.1	105.0	8.6	349.0	4.4	3.4	23.0	--	--	0.90	--	0.8	502.0	8.1	18.0	340.0	6-22-70
39.1053	75.5064	001	124PNPN	JD45 6	17.0	9.7	90.0	10.0	319.0	3.2	9.4	19.0	--	--	--	--	0.7	510.0	7.9	16.5	316.0	5- 1-74
39.1053	75.5064	001	124PNPN	JD45 6	18.0	9.8	82.0	9.2	322.0	3.3	4.6	22.0	10.0	--	--	--	0.8	506.0	8.0	--	308.0	2- 9-76
39.1278	75.4831	001	124PNPN	JE32 4	17.0	9.4	94.0	9.1	342.0	5.8	6.2	25.0	--	--	1.20	--	0.5	536.0	8.1	--	337.0	4-17-57
39.1278	75.4831	001	124PKPN	JE32 5	22.0	--	28.0	2.4	133.0	12.0	4.8	32.0	--	--	0.50	--	0.4	252.0	7.4	15.5	178.0	4-14-66
39.1278	75.4831	001	124PNPN	JE32 5	18.0	3.2	62.0	4.2	222.0	11.0	7.0	25.0	--	--	0.60	--	0.5	377.0	7.3	16.0	241.0	4-18-67
39.1278	75.4831	001	124PNPN	JE32 5	10.0	5.0	116.0	7.8	357.0	9.8	6.2	16.0	--	--	0.90	--	0.5	552.0	7.8	17.0	348.0	4-18-68
39.1278	75.4831	001	124PNPN	JE32 5	30.0	5.7	17.0	2.3	168.0	5.0	1.0	46.0	--	--	0.30	--	--	273.0	7.8	--	190.0	4-15-69
39.1278	75.4831	001	124PNPN	JE32 5	9.0	6.7	121.0	9.8	386.3	4.6	6.2	13.0	--	--	1.40	--	1.1	603.0	8.5	15.5	363.0	4-16-70
39.1278	75.4831	001	124PNPN	JE32 5	39.0	3.9	7.4	1.6	136.0	12.0	4.6	28.0	--	--	0.05	--	0.3	244.0	8.2	--	163.0	10-17-72
39.1278	75.4831	001	124PNPN	JE32 5	11.0	7.7	120.0	15.0	376.0	7.7	6.5	16.0	--	--	0.26	--	0.9	599.0	8.4	--	371.0	1-11-74
39.1278	75.4831	001	124PNPN	JE32 5	11.0	7.5	120.0	10.0	370.0	6.7	5.8	17.0	--	--	--	--	0.8	587.0	8.2	--	362.0	2- 9-76
39.1506	75.4836	001	124PNPN	JE12 1	10.0	5.9	120.0	7.9	374.0	3.9	3.3	16.0	--	--	--	--	1.0	590.0	8.2	16.0	352.0	7-22-75
39.2075	75.7331	001	125RCCS	IB32 1	27.0	8.8	17.0	10.0	183.0	--	1.5	40.0	--	--	0.10	--	0.9	291.0	7.9	14.0	--	2-26-71
39.2892	75.6381	001	125RCCS	HC32 15	33.0	9.8	9.9	9.0	162.0	4.7	2.5	12.0	--	--	2.20	--	0.2	317.0	7.9	14.5	163.0	8-20-54

Table 6.--Chemical analyses of selected ground-water samples from the Coastal Plain of Delaware--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.2028	75.5692	001	211MGTY	ID31 26	9.3	8.8	740.0	15.0	222.5	6.8	1070.0	7.5	--	--	2.90	--	0.8	3470.0	8.8	16.5	1970.0	3-24-70
39.4478	75.6653	003	125RCCS	PC41 1	40.0	2.5	2.8	3.2	110.0	17.0	3.5	23.0	--	--	0.20	--	0.1	244.0	7.8	15.0	146.0	8-20-56
39.4528	75.7161	003	125RCCS	FB33 3	7.1	2.4	4.8	2.0	20.0	17.0	6.2	20.0	--	--	0.10	--	0.1	93.0	5.8	--	70.0	4-15-57
39.4528	75.7161	003	125RCCS	FB33 3	7.3	3.3	6.0	2.0	18.0	19.0	7.5	22.0	--	--	0.10	--	0.3	104.0	5.2	--	76.0	11- 1-60
39.4733	75.6972	003	125RCCS	GB24 3	37.0	6.0	6.8	2.8	154.0	3.6	4.0	43.0	--	--	0.30	--	0.3	246.0	7.0	--	180.0	11- 1-60
39.4769	75.6922	003	125RCCS	GB24 2	41.0	5.4	5.7	3.0	157.0	5.9	1.5	26.0	--	--	0.05	--	0.1	247.0	7.5	--	166.0	11- 1-60
39.4528	75.7161	003	210CRCS	FB33 1	44.0	7.3	5.4	3.1	157.0	13.0	8.0	24.0	--	--	1.00	--	--	208.0	8.1	--	183.0	11- 1-60
39.4528	75.7161	003	210CRCS	FB33 2	14.0	3.3	16.0	6.3	102.0	9.0	0.5	9.8	--	--	0.90	--	0.1	174.0	7.1	--	110.0	11- 1-60
39.6319	75.6133	003	210PTMC	DC34 5	7.0	0.8	30.0	2.8	98.0	--	--	--	470.0	--	--	--	--	--	-	16.5	--	8-29-75
39.6975	75.5772	003	210PTMC	CD41 2	7.9	4.7	--	--	12.0	20.0	9.5	13.0	--	--	9.30	--	0.1	121.0	7.0	--	--	9-20-55
39.7442	75.6078	003	210PTMC	CC14 2	11.0	4.0	--	--	35.0	11.0	7.0	18.0	--	--	7.60	--	--	141.0	6.3	10.5	--	1-19-56
39.4528	75.7161	003	211MGTY	FB33 12	17.0	4.7	22.0	6.0	133.0	12.0	1.4	8.5	--	--	0.20	--	--	226.0	7.5	--	137.0	1-16-62
39.5372	75.6200	003	211MLRL	EC33 1	13.0	3.9	--	--	11.0	4.6	28.0	17.0	--	--	22.00	--	--	175.0	5.9	--	--	2-16-53
39.3700	75.5450	003	211MNMT	GD33 4	29.0	3.6	58.0	9.1	242.0	8.2	7.9	6.8	--	--	0.10	--	0.6	402.0	7.8	15.0	243.0	9-14-70
39.4489	75.7178	003	211MNMT	FB42 3	42.0	3.4	2.9	3.2	136.0	11.0	2.6	19.0	--	--	0.05	--	0.2	238.0	7.5	14.5	151.0	10-17-61
39.4542	75.6622	003	211MNMT	FC31 11	47.0	5.8	3.3	5.2	111.0	39.0	14.0	21.0	--	--	0.05	--	0.5	398.0	7.3	--	190.0	11- 1-60
39.4550	75.6581	003	211MNMT	FC31 6	37.0	1.4	1.9	3.9	80.0	18.0	10.0	16.0	--	--	0.30	--	0.1	233.0	7.9	14.5	128.0	8-20-54
39.4553	75.6619	003	211MTWN	FC31 13	40.0	5.5	4.5	5.0	155.0	8.2	2.0	16.0	--	--	0.20	--	0.3	247.0	7.9	--	158.0	11- 1-60
39.5294	75.7769	003	217NNMR	EA44 3	8.6	3.8	--	--	41.0	4.9	4.5	0.9	--	--	0.05	--	0.1	86.6	7.3	--	--	7- 2-56
39.7131	75.6031	003	217NNMR	CC34 8	8.7	3.2	--	--	15.0	9.9	13.0	8.8	--	--	21.00	--	0.1	134.0	7.0	--	--	9-20-55
38.4689	75.0514	005	112CLMB	RJ22 08 037927	440.0	710.0	5500.0	80.0	7.0	1300.0	9500.0	29.0	30000.0	--	--	--	0.1	23000.0	6.7	16.0	17700.0	5-11-77
38.5139	75.1811	005	112CLMB	QH54 7	14.0	2.2	11.0	2.1	68.0	8.3	13.0	32.0	20000.0	--	--	--	0.1	309.0	6.3	15.0	136.0	11- 3-78
38.6250	75.3597	005	112CLMB	PF24 02 37160	0.5	0.5	4.5	1.5	9.0	0.8	5.7	8.9	30.0	--	--	--	0.1	38.0	4.7	14.5	27.0	11- 5-76
38.6444	75.6214	005	112CLMB	PC23 3	4.1	0.4	--	--	4.0	1.6	4.0	15.0	--	--	11.00	--	--	58.0	5.4	--	--	2-21-56
38.7150	75.0831	005	112CLMB	OJ31 1	17.0	5.3	37.0	3.3	23.0	9.8	86.0	25.0	--	--	0.05	--	--	--	6.0	--	195.0	9-23-44
38.7539	75.1508	005	112CLMB	NI51 3	1.6	1.2	9.4	0.8	9.0	3.5	12.0	17.0	--	--	3.20	--	--	--	6.4	--	53.0	10-31-44
38.7544	75.1514	005	112CLMB	NI51 17	1.5	0.7	8.0	0.9	10.0	2.5	10.0	17.0	--	--	0.60	--	0.1	--	6.9	--	46.0	10- 4-45
38.7583	75.1175	005	112CLMB	NI53 3	3.7	4.9	--	--	12.0	11.0	9.8	9.8	--	--	16.00	--	--	111.0	5.9	--	--	8-26-47
38.7642	75.4467	005	112CLMB	NE54 3	2.4	0.7	5.7	0.8	22.0	1.0	5.4	20.0	--	--	--	--	0.2	55.0	6.5	13.5	46.0	9-26-73
38.7700	75.1386	005	112CLMB	NI42 2	10.0	5.3	12.0	--	22.0	18.0	18.0	11.0	--	--	14.00	--	--	--	6.2	--	99.0	6-16-44
38.7719	75.1389	005	112CLMB	NI42 9	9.2	8.5	19.0	--	32.0	24.0	25.0	13.0	--	--	15.00	--	--	--	6.2	--	129.0	6-16-44
38.7119	75.3200	005	122CSLD	OG31 1	5.6	0.8	146.0	11.0	404.5	8.5	10.0	61.0	--	--	0.60	--	0.4	598.0	8.5	--	443.0	3-26-69
38.8125	75.1950	005	122CSLD	NH24 1	17.0	6.9	410.0	17.0	665.3	52.0	280.0	50.0	--	--	2.65	--	0.3	1870.0	8.5	17.2	1163.0	6- 6-72
38.4689	75.0514	005	122MNKN	RJ22 05 037927	26.0	31.0	350.0	18.0	210.0	54.0	460.0	26.0	3100.0	--	--	--	0.2	1720.0	7.0	18.0	1060.0	5-11-77
38.4689	75.0514	005	122MNKN	RJ22 06 037927	18.0	4.4	20.0	3.5	83.0	4.4	21.0	35.0	8700.0	--	--	--	0.1	230.0	6.3	17.5	156.0	5-11-77
38.5139	75.1811	005	122MNKN	QH54 4	29.0	7.6	26.0	4.2	140.0	9.2	33.0	33.0	18000.0	--	--	--	0.1	360.0	6.3	15.5	229.0	11- 3-78
38.5139	75.1811	005	122MNKN	QH54 5	42.0	2.4	11.0	1.5	140.0	7.7	15.0	45.0	14000.0	--	--	--	0.1	209.0	6.3	15.0	208.0	11- 3-78
38.5228	75.0683	005	122MNKN	QJ41 2	32.0	3.9	21.0	3.3	133.0	--	29.0	51.0	--	--	0.20	--	0.1	306.0	7.9	--	206.0	8- 5-71
38.6250	75.3597	005	122MNKN	PF24 03 37160	4.8	1.9	8.0	1.4	39.0	1.1	5.2	27.0	3200.0	--	--	--	0.1	90.0	5.7	14.5	72.0	11- 5-76
38.6772	75.1033	005	122MNKN	OH54 1 39704	2.1	1.6	66.0	6.0	190.0	6.6	10.0	16.0	2100.0	--	--	--	0.4	462.0	8.0	17.5	205.0	11-22-77
38.7031	75.0850	005	122MNKN	OI35 27	6.2	2.5	15.0	3.5	16.0	9.0	37.0	23.0	4400.0	--	--	--	0.1	177.0	5.2	14.5	109.0	10-13-76
38.7844	75.3581	005	122MNKN	MF44 1 39703	5.9	1.0	5.2	1.6	27.0	7.1	4.1	20.0	770.0	--	--	--	0.1	244.0	6.1	16.5	59.0	11-22-77
38.9119	75.4283	005	122MOCH	ME15 13	48.0	6.9	6.4	2.5	192.0	2.0	3.4	55.0	--	--	0.05	--	0.1	296.0	7.9	--	219.0	12-28-51
38.9131	75.4272	005	122MOCH	ME15 10	46.0	4.0	11.0	2.8	194.0	3.0	2.5	54.0	--	--	0.10	--	--	--	-	--	219.0	4-13-31
38.4689	75.0514	005	122PCMK	RJ22 07 037927	24.0	11.0	52.0	9.5	150.0	8.0	60.0	33.0	4600.0	--	--	--	0.2	420.0	6.0	--	276.0	5-11-77
38.5139	75.1811	005	122PCMK	QH54 6	19.0	1.7	11.0	1.5	75.0	8.3	14.0	36.0	17000.0	--	--	--	0.1	211.0	6.3	15.0	146.0	11- 3-78
38.5472	75.0631	005	122PCMK	QJ32 16	23.0	7.6	10.0	3.3	121.0	3.8	13.0	38.0	--	--	--	--	0.1	255.0	6.6	16.0	158.0	2-12-76
38.5903	75.2947	005	122PCMK	PG53 13	5.4	1.8	13.0	2.0	45.0	3.4	5.8	32.0	9200.0	--	--	--	0.1	115.0	6.4	14.0	95.0	1-31-78
38.6772	75.1033	005	122PCMK	OH54 2 39704	3.5	0.8	7.7	1.4	21.0	6.3	7.8	22.0	320.0	--	--	--	0.1	220.0	5.9	17.0	60.0	11-22-77
38.8264	75.6164	005	124PNPN	NC13 3	5.8	6.5	640.0	17.0	903.8	334.0	266.0	12.0	--	--	0.30	--	1.9	2550.0	8.5	18.0	1730.0	9-15-70
38.8264	75.6164	005	124PNPN	NC13 3	14.0	6.9	58.0	8.7	238.0	1.8	2.2	56.0	--	--	0.10	--	0.2	372.0	7.0	17.0	265.0	9-18-70
38.8264	75.6164	005	124PNPN	NC13 3	6.1	4.3	328.0	11.0	656.0	70.0	108.0	17.0	--	--	1.40	--	1.1	1340.0	8.1	21.0	870.0	10-13-70

[1] Unreasonable WATSTORE value was changed to agree with data records maintained by local U.S. Geological Survey offices.

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland.

[Results in milligrams per liter except as indicated]

County: Codes are defined in table 3.
Geologic unit code: Codes are defined in table 4.
Iron and Aluminum: Micrograms per liter. One milligram equals 1000 micrograms.
Specific conductance: Microsiemens per centimeter at 25° Celsius.
pH: Negative base-10 logarithm of hydrogen ion activity in moles per liter.
Temperature: Degrees Celsius.
Collection date: Month, day and year of sample collection.

Latitude	Longitude	County	Geologic unit code	Local well identifier		Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.9139	76.4719	003		AA EF 14		234.0	6.5	260.0	8.8	291.0	36.0	665.0	33.0	--	--	0.10	--	--	2580.0	6.9	--	1390.0	5-31-60
38.8294	76.6164	003	112PLSC	AA FD 16		50.0	3.1	12.0	7.0	107.0	54.0	15.0	25.0	--	--	14.00	--	0.2	353.0	6.3	--	233.0	3-31-52
38.7256	76.5400	003	125AQUI	AA GE 2		33.0	11.0	5.6	2.0	166.0	8.9	3.5	14.0	--	--	0.90	--	0.2	321.0	7.6	16.5	161.0	3- 9-49
38.7792	76.5556	003	125AQUI	AA FE 39		43.0	9.0	3.8	6.4	148.0	37.0	1.0	17.0	--	--	0.05	--	0.2	315.0	7.4	--	190.0	5-27-60
38.7803	76.5944	003	125AQUI	AA FD 12		41.0	13.0	3.8	7.1	178.0	19.0	1.5	14.0	--	--	0.05	--	0.2	323.0	7.6	--	187.0	5-27-60
38.7947	76.5256	003	125AQUI	AA FE 30		40.0	8.3	4.4	5.7	152.2	23.0	1.2	11.0	--	--	0.50	--	0.3	280.0	8.2	12.0	169.0	3-27-50
38.8117	76.7022	003	125AQUI	AA FC 1		49.0	5.1	2.8	4.1	153.0	27.0	1.4	17.0	--	--	0.40	--	--	292.0	7.7	--	182.0	3-31-52
38.8144	76.5419	003	125AQUI	AA FE 26		41.0	15.0	4.7	5.9	171.0	37.0	1.5	19.0	--	--	0.05	--	0.1	353.0	7.5	13.5	208.0	5-27-60
38.8356	76.5142	003	125AQUI	AA EE 57		37.0	13.0	4.5	5.6	155.0	42.0	4.0	18.0	--	--	0.10	--	0.2	339.0	7.5	--	201.0	5-27-60
38.8375	76.5433	003	125AQUI	AA EE 32		58.0	9.9	5.0	3.8	162.0	61.0	1.6	20.0	--	--	0.20	--	0.2	374.0	7.6	15.0	240.0	7-29-46
38.8863	76.5575	003	125AQUI	AA EE 6		75.0	9.1	4.0	3.3	235.0	34.0	2.2	36.0	--	--	0.40	--	0.1	451.0	7.4	--	280.0	6-28-46
38.8889	76.5297	003	125AQUI	AA EE 10		76.0	3.1	4.2	3.9	247.0	6.1	3.9	45.0	--	--	0.10	--	--	408.0	7.2	--	264.0	6-29-46
38.8889	76.5542	003	125AQUI	AA EE 68	742910	62.0	6.9	4.1	3.6	195.1	24.0	6.2	35.0	1300.0	--	--	--	0.2	375.0	7.5	15.0	240.0	5-14-81
38.9086	76.6697	003	125AQUI	AA EC 2		49.0	1.2	--	--	144.0	5.4	1.3	23.0	--	--	0.80	--	0.2	234.0	8.2	--	--	2-28-50
38.9106	76.6386	003	125AQUI	AA ED 16		45.0	5.3	2.9	4.2	157.0	12.0	2.8	56.0	--	--	0.20	--	0.2	275.0	7.3	11.5	136.0	3-27-50
38.9164	76.4606	003	125AQUI	AA EF 2		83.0	3.9	5.2	4.1	264.0	1.8	11.0	32.0	--	--	0.05	--	--	430.0	7.4	14.0	271.0	6-18-46
38.9194	76.5539	003	125AQUI	AA DE 105		47.0	3.5	26.0	3.7	130.0	20.0	44.0	22.0	--	--	0.20	--	0.2	399.0	8.1	14.0	231.0	11-22-68
38.9261	76.5486	003	125AQUI	AA DE 35		67.0	5.4	2.6	5.0	220.0	12.0	2.2	33.0	--	--	0.20	--	0.1	365.0	7.8	13.5	236.0	6-25-46
39.0250	76.4717	003	125AQUI	AA CF 79	34620	2.8	0.7	2.3	1.9	9.0	5.6	4.0	15.0	--	--	0.80	--	--	38.0	6.6	13.5	38.0	6- 2-60
38.8742	76.6519	003	211CRCSU	AA ED 8		50.0	7.7	4.2	7.2	190.0	15.0	2.5	17.0	--	--	1.50	--	0.1	342.0	7.2	--	199.0	6-28-46
38.7858	76.7014	003	211MGTY	AA FC 4		58.0	6.3	3.3	2.6	183.0	23.0	1.9	13.0	--	--	0.30	--	--	337.0	7.4	15.5	199.0	7-12-46
38.8300	76.6133	003	211MGTY	AA FD 42	736678	50.0	4.2	1.7	3.3	136.0	27.0	2.1	12.0	8600.0	--	--	--	0.1	--	6.7	15.0	176.0	12-29-76
38.8844	76.5047	003	211MGTY	AA EE 64	735693	34.0	5.2	2.2	2.8	66.0	50.0	2.0	9.5	22000.0	--	--	--	0.3	--	-	17.0	161.0	6-14-76
38.9136	76.4717	003	211MGTY	AA EF 15		16.0	6.8	--	--	22.0	52.0	1.0	8.6	--	--	0.05	--	0.3	163.0	5.9	15.0	103.0	12-26-60
38.9194	76.5539	003	211MGTY	AA DE 104		23.0	4.0	1.6	2.9	70.0	21.0	1.7	13.0	--	--	--	--	0.4	170.0	7.0	16.0	102.0	10-30-68
38.9194	76.5539	003	211MGTY	AA DE 104		25.0	6.1	2.1	3.0	70.0	34.0	2.2	12.0	--	--	0.10	--	0.5	200.0	7.0	16.0	119.0	11- 7-68
38.9211	76.4736	003	211MGTY	AA DF 92		24.0	5.4	2.5	2.7	46.0	46.0	1.3	8.9	--	--	0.05	--	0.4	205.0	6.3	--	114.0	9-30-70
38.9217	76.4742	003	211MGTY	AA DF 84		18.0	5.0	1.5	3.3	17.0	53.0	0.6	7.2	--	--	0.20	--	0.2	160.0	7.2	15.0	97.0	6- 7-69
38.9239	76.5633	003	211MGTY	AA DE 125	734914	16.0	3.5	1.4	2.4	44.0	21.0	3.4	8.8	--	--	--	--	2.0	--	6.6	16.0	80.0	2-28-76
38.9558	76.6236	003	211MGTY	AA DD 48	737317	24.0	3.0	2.1	2.9	67.0	13.0	2.2	29.0	8400.0	--	--	--	0.2	170.0	6.5	13.0	118.0	8- 3-77
38.9667	76.6844	003	211MGTY	AA DC 7		23.0	1.9	--	--	69.0	18.0	2.6	21.0	--	--	0.30	--	0.2	158.0	7.4	13.0	--	4-23-53
38.9667	76.6844	003	211MGTY	AA DC 7		14.0	2.0	2.1	2.5	45.0	10.0	1.9	31.0	--	--	0.30	--	0.3	102.0	6.3	--	86.0	3-31-52
38.9667	76.6844	003	211MGTY	AA DC 7		26.0	1.8	--	--	73.0	17.0	4.1	26.0	--	--	0.30	--	0.2	165.0	7.8	16.5	--	5- 6-54
38.9667	76.6844	003	211MGTY	AA DC 7		15.0	1.2	--	--	46.0	10.0	2.5	29.0	--	--	0.20	--	0.3	106.0	6.3	14.5	--	6- 8-60
38.9689	76.6264	003	211MGTY	AA DD 42	710231	27.0	3.1	2.6	3.1	88.0	18.0	1.9	26.0	--	--	0.20	--	0.2	183.0	7.4	14.0	125.0	10-24-70
38.9833	76.4889	003	211MGTY	AA DF 9		17.0	5.0	1.5	2.6	31.0	36.0	1.9	9.8	--	--	0.05	--	0.5	150.0	5.8	4.5[2,3]	90.0	2- 3-60
38.9833	76.4889	003	211MGTY	AA DF 9		16.0	5.5	1.9	2.6	37.0	38.0	1.6	9.5	--	--	0.05	--	0.5	--	5.8	--	94.0	3-20-45
38.9847	76.4933	003	211MGTY	AA DF 79	37867	5.7	2.9	1.1	1.9	14.0	19.0	0.2	8.9	--	--	0.05	--	0.2	73.9	5.7	16.5	47.0	3-22-60
38.9856	76.4722	003	211MGTY	AA DF 15		15.0	5.7	1.8	2.4	32.0	45.0	1.4	8.6	--	--	0.05	--	0.5	--	5.8	--	96.0	3-20-45
38.9861	76.5675	003	211MGTY	AA DE 3		9.9	4.2	2.3	2.6	44.0	11.0	2.0	16.0	--	--	0.05	--	--	--	-	--	70.0	4-25-32
38.9869	76.5689	003	211MGTY	AA DE 47		10.0	2.6	2.1	1.9	28.0	17.0	2.0	13.0	--	--	0.05	--	--	--	-	--	62.0	4-25-32
38.9997	76.4611	003	211MGTY	AA DF 61	54278	12.0	5.5	2.3	2.9	8.0	36.0	13.0	7.6	--	--	--	--	0.4	146.0	7.0	14.0	84.0	7-20-70
39.0053	76.4206	003	211MGTY	AA CF 15		8.7	4.4	2.9	1.6	--	42.0	1.8	7.8	--	--	0.10	--	0.2	125.0	4.4	14.5	--	4-17-46
39.0156	76.5297	003	211MGTY	AA CE 46		7.8	3.5	2.1	2.7	21.0	20.0	2.0	13.0	--	--	0.05	--	0.3	94.5	5.6	13.5	62.0	5- 8-46
39.0208	76.5083	003	211MGTY	AA CE 69		6.9	4.5	1.8	2.0	--	42.0	1.5	9.4	--	--	0.10	--	0.2	159.0	3.9	13.5	--	2-23-60
39.0217	76.5125	003	211MGTY	AA CE 1		6.0	3.6	2.2	1.4	10.0	26.0	1.8	6.2	--	--	0.10	--	0.3	86.2	5.3	--	53.0	4- 1-46
39.0239	76.3994	003	211MGTY	AA CG 6		7.8	3.8	4.4	2.8	3.0	44.0	0.9	8.3	--	--	0.05	--	0.2	123.0	4.7	--	74.0	3-15-50
39.0306	76.4742	003	211MGTY	AA CF 101		7.1	3.6	1.2	1.6	--	42.0	0.8	8.1	--	--	0.10	--	0.2	141.0	5.7	14.0	65.0	11-19-70
39.0456	76.4292	003	211MGTY	AA CF 13		5.8	3.1	1.8	1.3	--	31.0	0.8	7.4	--	--	0.05	--	0.2	97.4	4.3	14.5	--	4-16-46
39.0592	76.4581	003	211MGTY	AA CF 11		6.2	2.5	1.8	1.8	5.0	25.0	1.5	9.1	--	--	0.05	--	0.3	82.8	4.9	--	51.0	4-16-46

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
39.1061	76.4933	003	211MGTY	AA BF 48	2.0	1.0	2.3	1.1	--[1]	12.0	3.0	8.1	--	--	2.70	--	--	62.0	4.4	13.5	34.0	6- 3-60
38.9833	76.4889	003	217PPSC	AA DF 12	7.0	3.4	1.2	1.9	--[1]	34.0	3.0	8.3	--	--	0.05	--	0.3	113.0	4.1	--	--	5-26-61
38.9833	76.4889	003	217PPSC	AA DF 12	7.5	5.0	1.2	1.8	5.0	37.0	0.8	8.6	--	--	0.60	--	0.3	113.0	5.0	4.5[2,3]	65.0	2- 3-60
38.9833	76.4889	003	217PPSC	AA DF 12	7.9	3.8	1.5	1.7	9.0	32.0	1.2	7.6	--	--	0.05	--	0.2	--	5.2	--	60.0	3-20-45
38.9833	76.4889	003	217PPSC	AA DF 13	6.2	3.6	1.5	1.7	2.0	34.0	0.9	7.9	--	--	0.05	--	0.2	--	4.6	--	57.0	3-20-45
38.9833	76.4889	003	217PPSC	AA DF 13	6.6	5.0	1.0	1.8	--	34.0	0.9	8.1	--	--	0.05	--	0.2	106.0	4.3	4.5[2,3]	--	2- 3-60
39.0208	76.5083	003	217PPSC	AA CE 70	7.8	3.7	1.4	1.6	1.0	35.0	1.0	7.6	--	--	0.05	--	0.2	112.0	4.8	15.0	59.0	2-23-60
39.0225	76.4514	003	217PPSC	AA CF 134 740171	4.1	2.3	0.9	1.3	--	25.0	0.6	8.1	16000.0	--	--	--	0.1	118.0	6.1	17.0	59.0	4-10-80
39.0231	76.4044	003	217PPSC	AA CG 23 738959	4.9	2.8	1.3	2.3	14.0	18.0	0.8	7.8	15000.0	--	--	--	0.1	95.0	6.4	18.5	60.0	9-20-78
39.0231	76.4044	003	217PPSC	AA CC 23 738959	6.3	3.1	1.7	2.4	17.0	18.0	1.7	7.7	13000.0	--	--	--	0.1	100.0	6.2	18.5	63.0	8-11-78
39.0231	76.4044	003	217PPSC	AA CG 24 738960	6.0	3.2	1.3	2.0	11.0	16.0	7.6	7.7	28000.0	--	--	--	0.1	140.0	6.0	17.0	76.0	9-13-78
39.0267	76.4533	003	217PPSC	AA CF 135 740172	4.3	2.5	1.0	2.4	1.2	27.0	0.7	8.2	14000.0	--	--	--	0.1	--	5.7	15.1	62.0	9-19-79
39.0267	76.4536	003	217PPSC	AA CF 107 21270	4.8	2.2	1.1	1.4	2.0	24.0	0.6	7.2	--	--	--	--	0.1	66.0	5.7	--	42.0	9-26-72
39.0508	76.5786	003	217PPSC	AA CE 120 735414	2.5	1.9	1.7	0.8	5.0	11.0	1.3	10.0	4000.0	--	--	--	0.1	42.0	5.2	13.0	36.0	3-10-77
39.0703	76.6814	003	217PPSC	AA CC 23	20.0	1.7	1.8	0.8	60.0	2.4	3.0	7.2	--	--	7.40	--	--	124.0	7.3	--	74.0	5-27-60
39.0806	76.5764	003	217PPSC	AA CE 81	1.2	--	1.7	0.4	1.0	4.0	2.0	7.7	--	--	0.05	--	--	21.0	5.0	13.5	17.0	5-25-60
39.0911	76.6947	003	217PPSC	AA BC 40 1710	0.8	0.2	1.4	0.7	2.0	2.6	2.0	7.0	--	--	3.30	--	--	23.0	5.1	14.0	19.0	6- 1-60
39.1014	76.7208	003	217PPSC	AA BC 108	2.8	0.7	2.8	1.3	17.0	--	3.0	8.0	--	--	6.20	--	--	56.0	6.3	14.0	43.0	5-27-60
39.1067	76.5753	003	217PPSC	AA BE 46	3.1	1.6	3.9	0.8	1.0	15.0	3.2	3.5	--	--	4.20	--	0.1	65.5	4.9	13.5	36.0	4-16-46
39.1544	76.5983	003	217PPSC	AA BD 6	1.1	0.5	1.2	0.3	2.0	4.6	1.5	8.0	--	--	0.10	--	0.1	21.4	5.0	13.5	18.0	3-28-46
39.1628	76.4822	003	217PPSC	AA BF 2	1.8	0.6	1.3	1.6	--	9.0	2.0	9.0	--	--	0.20	--	--	54.4	4.1	15.0	26.0	5- 1-51
39.1739	76.5539	003	217PPSC	AA AE 33	3.3	2.3	1.3	0.9	4.0	12.0	4.0	5.9	--	--	1.20	--	--	45.2	5.6	13.0	33.0	3-18-54
39.2136	76.5917	003	217PPSC	AA AD 7	1.3	0.5	1.8	0.7	2.0	6.5	1.4	9.3	--	--	0.05	--	--	27.7	5.0	14.0	22.0	6-15-45
38.0939	76.7583	003	217PTXN	AA BB 68 680666	0.7	0.3	1.7	0.7	1.2	5.6	1.7	8.3	680.0	--	--	--	0.1	32.0	4.1	14.8	20.0	6- 7-78
39.0139	76.6800	003	217PTXN	AA CC 107	3.2	1.0	1.6	1.1	3.0	11.0	1.4	9.0	--	--	0.04	--	0.1	42.0	-	--	30.0	7-12-74
39.0167	76.6756	003	217PTXN	AA CC 105	2.0	1.0	2.0	1.1	6.0	9.5	1.8	8.3	--	--	0.04	--	0.3	46.0	4.7	--	29.0	7- 8-73
39.0231	76.4044	003	217PTXN	AA CG 22 738606	3.5	1.8	17.0	5.8	46.0	13.0	3.6	12.0	6200.0	--	--	--	0.1	125.0	7.2	21.5	86.0	6-21-76
39.0231	76.4044	003	217PTXN	AA CG 22 738606	3.4	1.8	16.0	5.4	52.0	14.0	5.0	12.0	6600.0	--	--	--	0.1	120.0	6.5	21.5	90.0	9-26-78
39.0483	76.6917	003	217PTXN	AA CC 114 735837	3.2	1.1	2.3	1.2	10.0	9.2	1.8	8.5	5000.0	--	--	--	0.2	47.0	5.8	16.0	38.0	10-28-76
39.1011	76.7850	003	217PTXN	AA BB 5	0.3	0.1	5.9	0.3	5.0	7.5	3.2	8.5	--	--	0.10	--	--	39.2	5.2	--	28.0	3-31-52
39.1708	76.6264	003	217PTXN	AA AD 29 NONE	0.9	0.5	1.5	1.0	1.0	6.9	1.2	11.0	--	--	0.05	--	0.1	29.9	4.7	--	24.0	5-13-48
39.2136	76.5917	003	217PTXN	AA AD 20	0.9	0.5	2.0	0.8	3.0	5.9	1.4	9.5	--	--	0.05	--	--	23.8	5.2	--	22.0	6-15-45
39.2022	76.4475	005	217PPSC	BA GP 179	2.6	2.0	1.9	1.5	8.0	11.0	1.6	7.7	--	--	0.10	--	0.2	46.4	5.9	--	33.0	10-22-45
39.2136	76.4878	005	217PTXN	BA GF 93	5.4	5.0	27.0	--	8.0	20.0	47.0	8.0	--	--	0.05	--	--	225.0	6.0	--	116.0	3-11-44
39.2300	76.4894	005	217PTXN	BA GF 8	4.4	2.7	7.8	2.2	17.0	9.3	13.0	9.6	6200.0	--	0.05	--	--	93.0	5.9	--	64.0	4- 9-43
39.2878	76.4272	005	217PTXN	BA FF 34	1.5	1.0	5.3	1.0	6.0	6.5	7.2	7.1	--	--	0.90	--	--	49.4	5.3	--	33.0	1-25-46
39.3019	76.5078	005	217PTXN	BA FE 3	1.4	0.9	4.5	0.8	8.0	5.0	4.5	8.5	--	--	1.10	--	--	45.8	5.3	--	31.0	6- 5-45
38.4778	76.5467	009	112PLSC	CA EC 4	2.9	1.2	5.3	0.2	12.0	2.0	9.5	7.3	--	600.0	6.30	--	0.5	70.0	6.5	15.6	41.0	3-23-49
38.6703	76.5997	009	112PLSC	CA BB 12	33.0	4.4	--	--	115.0	--	9.0	16.0	--	--	--	--	--	219.0	8.1	--	--	2-27-50
38.6792	76.6286	009	112PLSC	CA DB 6	27.0	0.8	2.6	6.8	95.0	2.0	3.2	15.0	--	--	0.80	--	0.1	171.0	7.3	12.2	--	3-27-50
38.3389	76.4189	009	124NNJM	CA FD 38 44077	15.0	9.1	46.0	13.0	218.0	12.0	1.2	43.0	--	--	0.20	0.07	0.5	342.0	8.2	16.7	247.0	5- 9-67
38.4128	76.5489	009	124NNJM	CA FC 6 53188	24.0	14.0	11.0	18.0	152.0	30.0	2.0	32.0	--	--	--	0.04	0.4	303.0	8.0	16.7	206.0	5- 5-67
38.4272	76.4867	009	124NNJM	CA ED 14 65 71	21.0	11.0	8.3	19.0	155.0	12.0	1.0	34.0	--	--	0.30	0.03	0.3	260.0	8.2	16.1	183.0	5- 9-67
38.4586	76.4717	009	124NNJM	CA ED 19 54331	21.0	11.0	5.2	17.0	147.0	11.0	1.5	31.0	--	--	--	0.02	0.2	250.0	8.1	16.7	170.0	5- 3-67
38.4603	76.5436	009	124NNJM	CA EC 24 65 43	26.0	11.0	3.3	10.0	142.1	10.0	2.3	36.0	--	--	0.10	0.05	0.3	237.0	8.3	16.1	169.0	5- 5-67
38.4719	76.5061	009	124NNJM	CA EC 3 1015	23.0	11.0	3.7	1.6	132.0	11.0	2.5	40.0	--	500.0	1.60	--	0.2	246.0	7.7	13.3	160.0	3-23-49
38.4944	76.6211	009	124NNJM	CA EB 9 65 127	32.0	11.0	2.8	9.0	153.1	8.4	2.5	54.0	--	--	0.20	0.10	0.3	256.0	8.3	16.1	195.0	5- 5-67
38.4989	76.5025	009	124NNJM	CA EC 1	28.0	11.0	3.9	12.0	144.1	14.0	2.2	40.0	--	--	0.10	--	0.2	259.0	8.2	15.6	182.0	1-13-47
38.5117	76.5175	009	124NNJM	CA DC 16 1331	26.0	11.0	3.6	12.0	140.0	10.0	2.1	33.0	--	--	0.30	0.03	0.3	245.0	8.2	16.1	167.0	5- 4-67
38.5597	76.5158	009	124NNJM	CA DC 12	35.0	11.0	3.1	11.0	172.1	12.0	2.0	45.0	--	--	--	0.04	0.1	290.0	8.3	16.1	204.0	5- 5-67
38.5711	76.6728	009	124NNJM	CA DA 3 66 91	22.0	18.0	7.9	17.0	154.0	9.8	1.0	35.0	--	--	--	--	0.1	254.0	8.0	15.6	179.0	5- 2-67
38.5836	76.6050	009	124NNJM	CA CB 9	28.0	13.0	5.2	17.0	156.0	22.0	1.5	36.0	--	100.0	0.90	--	0.1	299.0	8.0	--	201.0	3- 6-51
38.5908	76.5164	009	124NNJM	CA CC 52	40.0	15.0	3.5	14.0	165.0	42.0	2.6	42.0	--	--	--	--	0.4	346.0	7.8	15.0	241.0	5-10-67
38.5986	76.5217	009	124NNJM	CA CC 51 65 94	49.0	16.0	3.2	14.0	190.0	53.0	2.1	43.0	--	--	0.10	0.08	0.2	375.0	8.2	15.6	274.0	5-10-67
38.6636	76.6028	009	124NNJM	CA CB 18	34.0	11.0	2.6	6.9	155.1	14.0	2.1	48.0	--	--	--	--	0.1	270.0	8.3	14.4	195.0	5- 2-67
38.6656	76.5300	009	124NNJM	CA CC 28 4178	63.0	20.0	3.4	11.0	255.0	44.0	4.2	57.0	--	--	0.40	--	0.1	492.0	7.9	--	--	3-27-50
38.6914	76.5367	009	124NNJM	CA BC 20 65 60	55.0	17.0	3.8	9.9	212.0	47.0	2.3	50.0	--	--	0.10	0.02	0.1	398.0	7.9	15.0	289.0	5- 1-67
38.6983	76.6067	009	124NNJM	CA BB 18 57375	40.0	9.7	2.0	8.4	174.0	9.2	2.6	49.0	--	--	0.10	--	0.1	270.0	7.5	15.5	207.0	5- 1-67
38.6983	76.6067	009	124NNJM	CA BB 18 57375	40.0	9.7	2.0	8.4	174.0	9.2	2.6	49.0	--	--	0.10	0.04	0.1	270.0	7.5	15.6	207.0	5- 1-67
38.7064	76.5300	009	124NNJM	CA BC 27 65 40	54.0	14.0	3.2	9.5	218.0	30.0	2.7	48.0	--	--	0.20	0.03	0.1	372.0	7.4	17.2	269.0	5- 1-67

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.7064	76.5300	009	124NMJM	CA BC 27 65 40	54.0	14.0	3.2	9.5	218.0	30.0	2.7	48.0	--	--	0.20	--	0.1	372.0	7.4	17.5	269.0	5- 1-67
38.3289	76.4539	009	124PNPN	CA GD 4	10.0	4.8	50.0	13.0	189.0	12.0	3.1	19.0	--	--	0.10	--	0.3	327.0	8.0	15.0	205.0	1-13-47
38.3681	76.4714	009	124PNPN	CA FD 3	8.6	4.2	59.0	12.0	185.1	27.0	1.5	18.0	--	--	0.20	--	0.4	350.0	8.2	13.5	222.0	1-13-47
38.3758	76.4092	009	124PNPN	CA FE 27 731219	19.0	7.7	22.0	14.0	158.5	12.0	0.8	44.0	20.0	--	--	--	0.5	289.0	7.4	19.0	198.0	8- 7-80
38.4589	76.5994	009	124PNPN	CA EB 20 730736	17.0	8.8	19.0	15.0	146.3	13.0	1.0	35.0	310.0	--	--	--	0.4	273.0	7.5	18.0	182.0	8- 8-80
38.5206	76.6139	009	124PNPN	CA DB 57 731106	37.0	6.9	2.6	8.1	158.5	5.2	1.8	49.0	130.0	--	--	--	0.3	270.0	7.3	21.0	189.0	8- 8-80
38.7253	76.6644	009	124PNPN	CA BB 28 733721	44.0	4.7	3.1	3.9	150.5	19.0	2.5	45.0	380.0	--	--	--	0.2	298.0	7.5	19.5	201.0	6-27-80
38.3311	76.4525	009	125AQUI	CA GD 6	2.4	0.7	52.0	6.4	148.4	8.4	2.6	11.0	--	--	0.30	--	0.2	255.0	8.7	18.9	--	1-13-47
38.3322	76.4792	009	125AQUI	CA GD 36	14.0	5.9	30.0	16.0	168.0	5.0	2.5	24.0	--	--	0.60	--	0.3	279.0	7.9	--	181.0	6-18-52
38.3322	76.4792	009	125AQUI	CA GD 36	14.0	6.6	30.0	15.0	167.7	7.2	4.2	23.0	--	--	9.00	--	0.4	278.0	8.3	--	192.0	6-15-56
38.3322	76.4792	009	125AQUI	CA GD 36	14.0	6.2	28.0	15.0	164.0	7.5	4.0	21.0	--	--	0.40	--	0.4	276.0	7.8	10.0	177.0	6-10-54
38.3322	76.4792	009	125AQUI	CA GD 36	2.9	0.4	50.0	5.3	130.0	5.5	4.2	12.0	--	--	0.20	--	0.3	234.0	8.5	--	145.0	6-24-52
38.3353	76.4714	009	125AQUI	CA FD 1	2.6	0.6	48.0	5.5	138.2	7.0	4.0	13.0	--	--	0.30	0.20	0.2	233.0	8.7	10.0	--	6-10-54
38.3353	76.4714	009	125AQUI	CA FD 1	2.9	0.4	50.0	5.3	138.1	5.5	4.2	12.0	--	--	0.20	0.30	0.3	234.0	8.5	--	149.0	6-24-52
38.3353	76.4714	009	125AQUI	CA FD 1	2.3	1.4	51.0	5.8	138.3	7.4	4.0	13.0	--	--	7.20	3.80	0.4	234.0	9.0	--	--	6-15-56
38.3553	76.4333	009	125AQUI	CA FD 54 732892	6.1	1.7	33.0	9.2	130.0	5.1	2.4	14.0	70.0	--	--	--	0.3	228.0	-	--	136.0	10-11-78
38.4119	76.5458	009	125AQUI	CA FC 2	12.0	6.3	26.0	15.0	149.0	6.4	1.5	9.9	--	--	0.10	0.45	0.1	232.0	8.2	17.2	151.0	5- 5-67
38.4278	76.4353	009	125AQUI	CA ED 1	9.8	2.8	30.0	13.0	133.0	4.5	2.1	15.0	--	--	0.20	0.05	0.3	222.0	7.9	17.8	143.0	4-30-52
38.5069	76.5131	009	125AQUI	CA DC 29 65 113	20.0	12.0	14.0	16.0	176.0	4.8	0.9	13.0	--	--	--	--	--	280.0	8.1	17.2	168.0	5- 4-67
38.5192	76.6536	009	125AQUI	CA DB 3 2602	22.0	12.0	9.8	15.0	162.0	10.0	2.0	13.0	--	--	0.80	--	0.2	277.0	7.9	--	--	3-27-50
38.5361	76.5889	009	125AQUI	CA DB 35 66 111	21.0	12.0	9.6	16.0	161.0	11.0	0.6	12.0	--	--	0.10	0.02	0.3	270.0	8.2	17.2	162.0	5- 3-67
38.5386	76.5836	009	125AQUI	CA DB 5	22.0	12.0	9.8	16.0	162.0	12.0	1.1	9.8	--	--	0.70	--	0.2	279.0	8.0	--	163.0	1-13-47
38.5600	76.5233	009	125AQUI	CA DC 37 731780	27.0	13.0	9.6	15.0	180.0	9.8	0.7	14.0	300.0	--	--	--	0.2	--	-	--	178.0	4-12-78
38.5917	76.5636	009	125AQUI	CA CC 50 66 43	25.0	14.0	6.7	14.0	172.0	10.0	0.8	13.0	--	--	--	--	0.1	280.0	8.1	16.1	169.0	5- 9-67
38.6244	76.6736	009	125AQUI	CA CA 8 66 95	33.0	14.0	4.0	11.0	184.0	11.0	0.9	14.0	--	--	0.10	0.03	0.1	275.0	8.2	18.3	178.0	5- 2-67
38.6244	76.6736	009	125AQUI	CA CA 8 66 95	33.0	14.0	4.0	11.0	184.0	11.0	0.9	14.0	--	--	0.10	--	0.1	275.0	8.2	18.5	179.0	5- 2-67
38.6261	76.6719	009	125AQUI	CA CA 2 4950	35.0	13.0	4.0	11.0	184.0	11.0	1.0	16.0	--	--	0.80	0.05	0.2	304.0	7.9	--	184.0	2- 1-52
38.6261	76.6719	009	125AQUI	CA CA 2 4950	31.0	16.0	4.4	13.0	182.0	13.0	1.1	15.0	--	--	0.10	--	0.2	309.0	7.8	17.2	--	3-27-50
38.6436	76.6361	009	125AQUI	CA CB 26 730673	28.0	12.0	4.0	13.0	158.5	10.0	0.3	14.0	500.0	--	--	--	0.2	293.0	7.4	18.0	160.0	8-28-80
38.6556	76.5278	009	125AQUI	CA CC 19	35.0	12.0	4.3	9.6	179.0	9.5	1.0	16.0	--	--	0.20	0.05	0.3	290.0	7.9	--	--	1-23-52
38.6567	76.5325	009	125AQUI	CA CC 39 12070	33.0	12.0	5.6	9.6	178.0	11.0	0.8	13.0	--	--	1.50	0.05	0.1	293.0	8.1	18.3	174.0	10-13-54
38.6567	76.5325	009	125AQUI	CA CC 39 12070	38.0	8.8	5.6	6.1	173.0	8.7	2.2	17.0	--	100.0	--	0.05	0.2	303.0	7.7	--	172.0	11-24-58
38.6567	76.5325	009	125AQUI	CA CC 39 12070	37.0	10.0	5.2	11.0	179.0	9.6	2.0	16.0	--	--	--	0.10	0.2	301.0	7.7	--	180.0	6-21-60
38.6567	76.5325	009	125AQUI	CA CC 39 12070	33.0	14.0	4.9	11.0	180.0	10.0	4.5	15.0	--	100.0	6.50	0.70	0.2	302.0	8.0	15.6	--	6-12-56
38.6572	76.5314	009	125AQUI	CA CC 17	32.0	13.0	4.3	10.0	173.0	9.2	1.5	15.0	--	--	0.70	0.05	0.3	287.0	7.8	--	--	1-23-52
38.6583	76.5286	009	125AQUI	CA CC 18	35.0	11.0	4.9	13.0	179.0	10.0	3.1	15.0	--	--	0.20	0.05	0.3	295.0	8.0	--	--	1-23-52
38.6586	76.1814	009	125AQUI	CA CA 10 732546	31.0	16.0	3.2	15.0	158.5	34.0	2.0	39.0	30.0	--	--	--	0.2	350.0	7.8	17.5	219.0	8-20-80
38.6586	76.5308	009	125AQUI	CA CC 40 12070	38.0	8.8	4.7	5.5	177.0	8.7	2.8	18.0	--	--	0.20	0.10	0.3	300.0	7.8	--	174.0	11-24-58
38.6586	76.5308	009	125AQUI	CA CC 40 12070	31.0	14.0	5.0	11.0	179.0	10.0	2.4	17.0	--	100.0	7.70	2.30	0.2	294.0	8.1	15.6	--	6-12-56
38.6586	76.5308	009	125AQUI	CA CC 40 12070	33.0	12.0	5.4	8.9	178.0	11.0	1.0	13.0	--	--	1.50	0.05	0.1	293.0	8.1	18.3	174.0	10-13-54
38.6586	76.5308	009	125AQUI	CA CC 40 12070	36.0	11.0	5.3	10.0	176.0	9.4	2.0	16.0	--	--	0.10	0.06	0.2	298.0	7.9	--	--	6-21-60
38.6586	76.5347	009	125AQUI	CA CC 41 12070	28.0	16.0	5.0	11.0	178.0	10.0	2.5	16.0	--	--	7.50	1.20	0.2	294.0	8.1	15.6	--	6-12-56
38.6586	76.5347	009	125AQUI	CA CC 41 12070	38.0	8.3	5.3	6.6	175.0	8.5	2.5	16.0	--	--	0.20	0.05	0.4	299.0	7.7	--	172.0	11-24-58
38.6586	76.5347	009	125AQUI	CA CC 41 12070	36.0	11.0	5.0	11.0	174.0	9.2	2.5	16.0	--	--	0.20	0.08	0.2	298.0	7.9	--	177.0	6-21-60
38.6586	76.5347	009	125AQUI	CA CC 41 12070	33.0	12.0	6.1	8.9	178.0	12.0	0.8	13.0	--	--	1.20	0.05	0.1	291.0	8.1	18.3	175.0	10-13-54
38.6639	76.6744	009	125AQUI	CA CA 9	39.0	19.0	3.0	17.0	219.5	14.0	2.5	47.0	100.0	--	--	--	0.2	405.0	7.3	17.0	250.0	8-28-80
38.6667	76.6336	009	125AQUI	CA BD 33 732603	33.0	11.0	4.0	10.0	158.5	12.0	0.4	15.0	190.0	--	--	--	0.2	298.0	7.1	18.0	164.0	8-28-80
38.6914	76.5336	009	125AQUI	CA BC 9	34.0	12.0	4.4	10.0	175.0	10.0	1.5	15.0	--	--	0.80	--	0.2	296.0	7.9	--	174.0	3- 6-51
38.7078	76.5319	009	125AQUI	CA BC 26 65 39	34.0	11.0	4.2	8.5	173.0	10.0	0.7	16.0	--	--	--	--	0.1	285.0	7.2	18.5	170.0	5- 1-67
38.7078	76.5319	009	125AQUI	CA BC 26 65 39	34.0	11.0	4.2	8.5	173.0	10.0	0.7	16.0	--	--	--	--	0.1	285.0	7.2	18.3	170.0	5- 1-67
38.7353	76.6269	009	125AQUI	CA BB 9 5647	30.0	14.0	3.2	9.2	161.0	14.0	1.2	15.0	--	100.0	0.50	0.05	0.3	276.0	7.7	--	166.0	4-30-52
38.7381	76.6522	009	125AQUI	CA BB 16 47010	42.0	9.2	4.8	6.3	180.1	11.0	0.6	19.0	--	--	--	--	--	290.0	8.4	16.7	182.0	5- 1-67
38.6744	76.5950	009	211CRCSU	CA BB 10 9048	36.0	9.5	4.7	5.3	167.0	7.0	1.0	7.5	--	--	0.30	0.10	0.3	269.0	7.5	--	154.0	4- 1-52
38.6744	76.5950	009	211CRCSU	CA BB 10 9048	31.0	8.0	--	--	136.0	5.4	0.2	8.9	--	--	0.80	0.05	0.4	224.0	8.2	--	--	2-27-58
38.6594	76.5333	009	217CRCSL	CA CC 56	23.0	7.4	5.1	5.7	129.0	5.4	1.1	9.7	--	--	--	--	0.5	215.0	7.8	18.5	121.0	2-14-74
38.6594	76.5333	009	217CRCSL	CA CC 56	24.0	9.5	5.4	5.6	136.0	5.7	0.7	8.5	--	--	--	--	0.5	225.0	8.0	19.5	127.0	1-26-74
38.7233	75.9817	011	112PCPC	CO FB 27 731447	63.0	2.2	8.0	0.6	219.5	5.2	8.7	42.0	1200.0	--	--	--	0.1	347.0	6.4	14.2	241.0	5-11-81
38.7750	75.8800	011	112PCPC	CO EC 25	4.5	4.4	2.6	2.7	30.5	4.3	7.2	10.0	10.0	--	--	--	0.1	83.0	4.2	12.9	51.0	5- 6-81
39.0117	75.8322	011	112PCPC	CO BD 56	39.0	3.1	4.1	4.8	115.8	8.9	6.2	25.0	4600.0	--	--	--	0.1	279.0	6.3	12.6	153.0	5- 5-81
38.6931	75.7661	011	112PLSC	CO FD 1	5.5	0.4	--	--	17.0	--	2.9	--	--	--	4.20	--	--	71.7	6.5	15.5	--	11-23-53

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.9161	75.9417	011	122CLVR	CO DB 1	12.0	18.0	24.0	2.6	180.0	4.8	1.4	57.0	--	--	0.60	--	0.5	294.0	8.2	14.5	213.0	3- 8-55
38.6814	75.9506	011	122CPNK	CO PB 24	28.0	17.0	19.0	9.4	225.0	5.2	8.6	62.0	--	--	0.90	--	0.5	344.0	8.0	14.0	253.0	3- 8-55
38.8317	75.8550	011	122CPNK	CO EC 14	5.2	1.0	5.2	2.6	1.4	18.0	4.9	14.0	--	--	11.00	--	0.3	94.4	4.6	14.5	62.0	3- 8-55
39.6725	75.7917	011	122CSLD	CO BD 54 730085	33.0	2.6	6.0	2.0	120.0	2.9	2.0	59.0	--	--	--	--	0.2	--	-	--	167.0	2-26-76
38.7044	75.9033	011	124PNPN	CO PC 29 730540	20.0	10.0	42.0	17.0	220.0	6.4	3.7	43.0	160.0	--	--	--	0.4	--	-	--	251.0	6-21-77
38.8767	75.8253	011	124PNPN	CO DD 46	3.0	1.9	278.0	7.0	729.0	17.0	4.2	17.0	--	--	0.10	--	4.4	1100.0	8.0	--	691.0	5- 1-69
38.8794	75.8311	011	124PNPN	CO DD 2	4.4	3.6	190.0	8.0	548.6	7.4	3.5	23.0	--	--	0.70	--	1.6	809.0	8.5	17.5	512.0	11-24-53
39.0664	75.7694	011	124PNPN	CO BD 55 730076	18.0	5.2	130.0	6.9	423.0	4.8	3.1	33.0	--	--	--	--	1.5	--	-	--	411.0	2-26-76
39.6008	75.8294	015	110QRNR	CE BF 12	3.3	1.7	2.9	0.9	15.0	2.4	3.5	9.0	--	--	7.20	--	0.1	51.4	6.4	16.0	38.0	9-28-54
39.3683	75.8833	015	125AQUI	CE EE 5	4.6	0.1	6.3	1.7	22.0	0.4	8.1	10.0	--	--	12.00	--	0.1	77.6	6.8	16.5	54.0	9-28-54
39.4453	75.7731	015	211MTWN	CE DF 11	38.0	1.5	2.5	3.5	122.0	7.5	2.0	21.0	--	--	0.10	--	0.4	228.0	7.7	14.0	137.0	1-10-55
39.4625	75.8767	015	217PPSC	CE DE 7	14.0	2.3	12.0	4.4	94.0	2.8	1.2	3.2	--	--	1.00	--	0.2	158.0	7.5	16.5	87.0	9-28-54
39.5436	76.0064	015	217PPSC	CE CC 33 15207	1.4	0.6	2.5	0.4	6.6	0.3	3.3	9.0	--	--	2.40	--	--	27.8	5.5	--	23.0	4-15-55
39.6050	75.8664	015	217PPSC	CE BE 18	1.3	0.4	3.2	0.4	6.0	1.8	4.2	6.2	--	--	1.20	--	0.1	27.4	6.2	14.5	22.0	9-28-54
38.3506	76.9333	017	112PLSC	CH EE 16	16.0	1.5	3.6	3.1	45.0	6.0	6.2	62.0	--	--	4.90	--	1.4	121.0	6.3	15.5	127.0	12-13-61
38.4281	77.0814	017	112PLSC	CH DD 24	9.4	0.4	5.8	1.7	38.0	0.4	6.0	26.0	--	--	0.10	--	--	79.0	7.2	14.5	69.0	12-13-61
38.4717	77.0278	017	112PLSC	CH DD 3	146.0	9.4	42.0	9.4	397.0	84.0	46.0	13.0	--	--	26.00	--	0.2	952.0	7.8	11.5	572.0	1-22-47
38.4767	77.1911	017	112PLSC	CH DB 7	4.2	1.1	3.8	0.8	14.0	0.2	7.2	11.0	--	--	4.20	--	--	58.2	6.2	--	39.0	4- 2-52
38.4833	76.8975	017	112PLSC	CH DF 11	1.3	1.5	12.0	2.0	12.0	3.0	16.0	6.8	--	--	5.40	--	0.2	89.5	6.3	--	54.0	4- 3-52
38.5375	76.9867	017	112PLSC	CH CE 14	14.0	1.4	9.2	2.9	70.0	5.7	7.1	14.0	--	--	0.30	--	--	142.0	6.9	--	89.0	4-10-50
38.5461	77.0697	017	112PLSC	CH CD 10	28.0	1.3	4.4	2.8	96.0	5.8	3.8	15.0	--	--	0.60	--	--	173.0	6.8	--	109.0	4-17-52
38.5844	76.8911	017	112PLSC	CH BF 113	19.0	2.8	14.0	3.8	56.0	17.0	17.0	7.8	--	--	7.60	--	0.1	202.0	6.6	--	117.0	3-10-61
38.5986	76.9792	017	112PLSC	CH BE 13	2.2	1.6	2.2	3.0	5.0	13.0	2.5	3.8	--	--	0.20	--	--	45.7	6.0	--	31.0	4- 2-52
38.6450	76.9389	017	112PLSC	CH BE 25	53.0	5.4	54.0	9.8	100.0	112.0	48.0	8.8	--	--	19.00	--	0.2	609.0	6.8	14.5	359.0	3-10-61
38.2636	76.8414	017	125AQUI	CH FF 13	5.2	1.0	71.0	5.7	210.0	7.4	2.0	11.0	--	--	0.05	--	0.4	352.0	8.0	15.5	207.0	3- 9-61
38.2706	76.8569	017	125AQUI	CH FF 18	3.4	1.6	69.0	6.0	204.5	8.6	2.5	10.0	--	--	0.05	--	0.4	335.0	8.8	16.0	202.0	1- 8-47
38.3219	76.3929	017	125AQUI	CH FF 12	3.7	1.2	64.0	4.8	173.1	8.5	2.1	13.0	--	--	0.30	--	0.3	287.0	8.2	--	183.0	4-10-50
38.3378	76.9378	017	125AQUI	CH EE 43	4.1	2.1	69.0	5.7	196.3	9.4	1.6	12.0	--	--	0.10	--	0.5	330.0	8.6	--	201.0	4-10-50
38.3617	76.8814	017	125AQUI	CH EF 13	7.1	0.6	53.0	5.8	165.0	10.0	1.3	11.0	--	--	0.30	--	0.3	266.0	7.7	--	171.0	12-13-61
38.3647	77.1928	017	125AQUI	CH EB 7	53.0	8.6	30.0	7.3	261.0	1.4	14.0	17.0	--	--	8.10	--	0.2	445.0	7.0	15.5	268.0	12-13-61
38.3997	76.9922	017	125AQUI	CH EE 18	3.4	1.6	68.0	5.7	200.2	8.5	2.2	13.0	--	--	0.30	--	0.3	327.0	8.6	--	202.0	1-27-47
38.4094	76.9536	017	125AQUI	CH EE 52	6.5	1.2	56.0	6.7	169.0	10.0	1.3	11.0	--	--	0.40	--	0.3	273.0	7.5	16.5	177.0	12-13-61
38.4344	76.9106	017	125AQUI	CH DF 9	17.0	6.1	21.0	12.0	143.0	8.0	1.6	32.0	--	--	1.10	--	0.3	252.0	8.1	14.5	170.0	3-21-51
38.4714	77.0272	017	125AQUI	CH DD 5	2.9	1.7	69.0	4.8	196.2	11.0	2.5	16.0	--	--	0.30	--	0.4	332.0	8.5	14.0	205.0	1-22-47
38.4811	76.8589	017	125AQUI	CH DF 13	28.0	5.0	8.7	13.0	140.0	11.0	1.0	13.0	--	--	0.70	--	0.2	239.0	7.7	16.0	150.0	12-13-61
38.5036	76.6808	017	125AQUI	CH CH 7	22.0	9.6	11.0	17.0	156.0	9.6	0.8	12.0	--	--	0.05	--	0.3	273.0	7.6	16.0	159.0	3- 9-61
38.5142	76.6781	017	125AQUI	CH CH 14 732790	23.0	12.0	8.7	14.0	158.5	8.3	0.9	14.0	80.0	--	--	--	0.2	290.0	7.7	17.0	159.0	3-10-81
38.5322	76.9692	017	125AQUI	CH CE 36 68 64	16.0	5.8	40.0	12.0	186.0	9.4	1.0	13.0	--	--	0.10	--	0.2	300.0	7.4	19.0	189.0	7-25-68
38.5333	76.7861	017	125AQUI	CH CG 1	29.0	13.0	5.3	14.0	174.0	12.0	1.4	10.0	--	--	1.40	--	0.1	298.0	7.7	18.5	172.0	10-28-46
38.5758	76.8250	017	125AQUI	CH CG 13	32.0	9.2	8.5	12.0	168.0	11.0	1.2	15.0	--	--	0.05	--	0.3	292.0	7.6	15.5	172.0	3-10-61
38.3603	76.9406	017	210CRCS	CH EE 47	6.3	1.0	80.0	3.6	215.0	16.0	3.0	42.0	--	--	0.05	--	1.4	385.0	7.7	17.0	259.0	3- 9-61
38.3825	77.2472	017	210CRCS	CH EB 8	14.0	4.3	30.0	14.0	152.0	10.0	2.0	36.0	--	--	0.05	--	0.3	280.0	7.1	--	185.0	3- 9-61
38.4108	77.1617	017	210CRCS	CH EC 5	1.6	1.4	102.0	19.0	316.0	7.4	3.8	28.0	--	--	0.50	--	0.5	491.0	8.0	--	320.0	4- 6-50
38.4531	76.9903	017	210CRCS	CH DE 16	1.7	1.0	77.0	5.6	208.0	9.5	1.4	15.0	--	--	0.40	--	0.4	329.0	8.0	--	214.0	4-17-52
38.4531	77.0133	017	210CRCS	CH DD 10	1.4	1.2	85.0	4.0	217.0	16.0	2.4	19.0	--	--	0.40	--	0.7	365.0	8.2	--	237.0	3- 7-51
38.4558	77.2644	017	210CRCS	CH DA 1	15.0	9.4	54.0	7.6	229.0	9.0	6.8	32.0	--	--	0.80	--	0.1	371.0	7.4	11.0	248.0	3-28-51
38.4850	76.9681	017	210CRCS	CH DE 24	7.3	2.2	47.0	8.4	149.0	12.0	1.5	9.5	--	--	0.05	--	0.3	271.0	7.3	16.5	162.0	3- 9-61
38.5103	77.0372	017	210CRCS	CH CD 9	3.0	0.1	96.0	5.7	267.0	5.2	0.5	36.0	--	--	0.05	--	0.9	423.0	7.9	--	279.0	3- 9-61
38.5283	76.9806	017	210CRCS	CH CE 3	1.1	0.8	121.0	4.7	321.0	11.0	3.8	34.0	--	--	0.20	--	1.2	514.0	8.0	--	336.0	1-22-47
38.5419	77.0103	017	210CRCS	CH CD 7	2.1	0.2	116.0	4.9	304.0	4.0	7.0	24.0	--	--	0.00	--	1.3	465.0	7.9	--	310.0	4- 3-52
38.5497	77.0839	017	210CRCS	CH CC 5	5.9	3.5	88.0	7.6	265.0	7.5	0.5	19.0	--	--	0.80	--	0.9	411.0	7.9	--	264.0	4- 2-52
38.5503	77.2356	017	210CRCS	CH CB 10	1.4	1.0	104.0	1.1	228.0	6.6	28.0	33.0	--	--	0.20	--	0.7	464.0	7.5	--	288.0	10-18-55
38.5536	77.2150	017	210CRCS	CH CB 11	1.4	0.5	140.0	5.7	312.0	7.0	51.0	36.0	--	--	0.05	--	1.3	638.0	8.0	14.5	397.0	7-13-56
38.5536	77.2150	017	210CRCS	CH CB 11	0.7	0.5	146.0	8.8	316.0	7.0	49.0	38.0	--	--	0.10	--	1.1	650.0	7.6	15.5	407.0	10-14-57
38.5542	77.2206	017	210CRCS	CH CB 28	2.0	0.7	69.0	0.5	161.0	13.0	9.0	33.0	--	--	0.05	--	1.1	310.0	7.3	14.5	208.0	1-12-61
38.5547	77.2147	017	210CRCS	CH CB 12	0.8	0.1	148.0	5.7	316.0	7.4	49.0	34.0	--	--	0.10	--	1.0	646.0	7.7	--	402.0	11- 1-55
38.5547	77.2147	017	210CRCS	CH CB 12	1.4	0.2	146.0	5.6	309.0	7.0	53.0	35.0	--	--	0.05	--	1.3	650.0	7.9	14.5	402.0	7-16-56
38.5547	77.2147	017	210CRCS	CH CB 12	0.9	0.5	146.0	8.8	316.0	7.0	51.0	37.0	--	--	0.10	--	1.2	650.0	7.7	15.5	408.0	10-14-57
38.5650	77.2042	017	210CRCS	CH CB 9	1.0	0.6	72.0	3.3	169.0	13.0	8.4	36.0	--	--	0.05	--	1.5	318.0	7.6	--	219.0	6-17-59
38.5650	77.2042	017	210CRCS	CH CB 9	0.9	0.5	68.0	3.2	158.0	11.0	6.5	33.0	--	--	0.20	--	1.2	291.0	7.8	14.5	202.0	7-13-56

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.5650	77.2042	017	210CRCS	CH CB 9	0.4	0.2	64.0	1.8	156.0	10.0	6.0	35.0	--	--	0.10	--	0.5	293.0	7.6	15.5	195.0	10-14-57
38.5650	77.2042	017	210CRCS	CH CB 9	0.8	0.6	70.0	3.5	163.0	12.0	10.0	35.0	--	--	0.05	--	1.3	322.0	7.3	--	213.0	4-27-61
38.5700	77.1911	017	210CRCS	CH CB 18	0.4	0.8	75.0	3.6	177.0	6.1	8.2	34.0	--	--	1.00	--	1.0	323.0	7.8	--	217.0	4-14-55
38.5700	77.1911	017	210CRCS	CH CB 18	0.5	0.3	75.0	3.2	176.0	11.0	9.8	33.0	--	--	0.05	--	1.2	326.0	8.0	14.5	221.0	7-13-56
38.5700	77.1911	017	210CRCS	CH CB 18	0.4	0.2	71.0	2.4	174.0	11.0	8.5	35.0	--	--	0.05	--	0.5	301.0	7.7	15.5	215.0	10-14-57
38.5700	77.1911	017	210CRCS	CH CB 18	0.9	0.2	78.0	3.3	179.0	13.0	9.8	40.0	--	--	0.05	--	1.7	336.0	7.9	--	235.0	6-15-59
38.5700	77.1911	017	210CRCS	CH CB 18	0.6	0.2	78.0	2.6	176.0	6.9	8.0	27.0	--	--	0.10	--	1.5	315.0	7.4	10.0	212.0	9-11-54
38.5767	77.2014	017	210CRCS	CH CB 8	23.0	19.0	47.0	2.7	137.0	0.8	101.0	32.0	--	--	0.80	--	--	536.0	6.9	--	294.0	8-26-53
38.5800	77.1811	017	210CRCS	CH CB 16	0.3	0.1	76.0	3.5	174.0	12.0	11.0	35.0	--	--	0.05	--	1.3	340.0	7.6	--	225.0	4-27-61
38.5800	77.1811	017	210CRCS	CH CB 19	1.4	0.4	60.0	2.8	148.0	11.0	1.9	37.0	--	--	0.40	--	1.0	261.0	7.7	--	189.0	6-15-59
38.5800	77.1811	017	210CRCS	CH CB 19	0.4	0.2	70.0	2.4	167.0	9.8	8.0	35.0	--	--	0.10	--	0.2	309.0	7.7	15.5	208.0	10-14-57
38.5800	77.1811	017	210CRCS	CH CB 19	0.3	0.3	68.0	3.1	162.0	9.4	7.5	34.0	--	--	0.05	--	0.9	296.0	8.0	14.5	204.0	7-13-56
38.5800	77.1811	017	210CRCS	CH CB 19	1.0	0.2	50.0	2.9	141.0	12.0	2.5	36.0	--	--	0.05	--	0.9	262.0	7.3	--	183.0	4-27-61
38.5808	77.1739	017	210CRCS	CH CB 29	0.4	0.5	66.0	2.9	154.0	12.0	7.5	36.0	--	--	0.10	--	0.9	298.0	7.5	--	202.0	4-27-61
38.5808	77.1739	017	210CRCS	CH CB 29	0.4	0.1	59.0	2.8	151.0	10.0	2.0	36.0	--	--	0.10	--	0.7	270.0	7.8	15.5	185.0	10-14-57
38.5847	77.1694	017	210CRCS	CH BB 1	1.1	0.2	60.0	2.1	149.0	10.0	6.2	34.0	--	--	0.30	--	0.7	261.0	7.7	--	188.0	5-26-52
38.5847	77.1694	017	210CRCS	CH BB 1	0.7	0.1	69.0	2.9	161.0	9.6	11.0	30.0	--	--	0.10	--	0.8	299.0	8.0	--	204.0	7-13-56
38.5847	77.1694	017	210CRCS	CH BB 1	1.0	0.6	65.0	2.1	155.0	12.0	7.6	42.0	--	--	0.50	--	1.0	--	-	--	208.0	7-19-38
38.5847	77.1694	017	210CRCS	CH BB 2	0.3	0.2	78.0	2.5	169.0	10.0	20.0	19.0	--	--	0.30	--	0.6	342.0	8.3	--	214.0	5-28-52
38.5847	77.1694	017	210CRCS	CH BB 4	0.4	0.1	68.0	2.7	153.0	16.0	10.0	25.0	--	--	0.40	--	0.8	291.0	8.2	--	198.0	5-28-52
38.5847	77.1694	017	210CRCS	CH BB 5	0.3	0.2	62.0	2.5	142.0	10.0	8.5	34.0	--	--	0.05	--	1.0	280.0	7.6	--	188.0	4-27-61
38.5847	77.1694	017	210CRCS	CH BB 5	0.9	0.2	66.0	2.5	149.0	12.0	9.8	39.0	--	--	0.20	--	1.2	279.0	7.9	--	205.0	6-17-59
38.5847	77.1694	017	210CRCS	CH BB 5	0.6	0.1	65.0	2.6	152.0	14.0	6.1	27.0	--	--	0.30	--	0.8	274.0	8.0	--	191.0	5-28-52
38.5847	77.1694	017	210CRCS	CH BB 5	0.3	--	67.0	2.4	150.0	11.0	6.1	34.0	--	--	0.10	--	0.9	270.0	8.0	14.5	--	7-13-56
38.5847	77.1694	017	210CRCS	CH BB 5	0.9	0.5	66.0	3.2	157.0	8.6	9.0	32.0	--	--	0.05	--	0.8	304.0	7.9	15.5	198.0	10-14-57
38.5847	77.1694	017	210CRCS	CH BB 6	0.7	0.3	70.0	3.2	166.0	10.0	9.0	34.0	--	--	0.05	--	0.9	309.0	8.0	15.5	210.0	10-14-57
38.5847	77.1694	017	210CRCS	CH BB 6	0.5	--	64.0	2.4	151.0	12.0	7.1	25.0	--	--	0.30	--	0.7	282.0	8.0	--	--	5-28-52
38.5847	77.1694	017	210CRCS	CH BB 6	0.5	0.2	62.0	2.5	145.0	11.0	8.0	33.0	--	--	0.05	--	1.0	285.0	7.5	--	190.0	4-27-61
38.5847	77.1694	017	210CRCS	CH BB 6	0.9	0.1	65.0	2.4	155.0	11.0	7.0	32.0	--	--	0.10	--	1.0	280.0	8.0	14.5	196.0	7-13-56
38.5847	77.1694	017	210CRCS	CH BB 6	0.7	0.2	65.0	2.4	151.0	12.0	7.2	30.0	--	--	0.10	--	1.1	286.0	7.8	--	201.0	6-17-59
38.5847	77.1694	017	210CRCS	CH BB 7	0.4	0.2	67.0	2.5	153.0	11.0	9.5	35.0	--	--	0.05	--	1.1	303.0	7.5	--	202.0	4-27-61
38.5847	77.1694	017	210CRCS	CH BB 7	0.4	0.5	73.0	3.2	171.0	10.0	9.0	35.0	--	--	0.10	--	0.9	316.0	7.9	15.5	216.0	10-14-57
38.5847	77.1694	017	210CRCS	CH BB 7	0.3	0.1	71.0	2.5	163.0	12.0	10.0	25.0	--	--	0.20	--	1.2	310.0	7.9	--	203.0	5-28-52
38.5847	77.1694	017	210CRCS	CH BB 7	0.3	0.2	71.0	2.4	164.0	11.0	11.0	34.0	--	--	0.10	--	1.1	308.0	7.9	14.5	212.0	7-13-56
38.5847	77.1694	017	210CRCS	CH BB 7	0.9	0.4	72.0	2.6	163.0	12.0	10.0	39.0	--	--	0.10	--	1.3	312.0	7.8	--	219.0	6-17-59
38.5847	77.1694	017	210CRCS	CH BB 8	1.1	0.6	60.0	2.0	144.0	13.0	4.3	36.0	--	--	0.60	--	1.0	--	-	--	190.0	7-19-38
38.5847	77.1694	017	210CRCS	CH BB 8	0.3	0.2	64.0	2.6	150.0	14.0	6.6	34.0	--	--	0.20	--	0.7	276.0	7.9	--	196.0	5-15-52
38.5847	77.1694	017	210CRCS	CH BB 8	0.4	--	62.0	2.5	142.0	12.0	7.0	35.0	--	--	0.05	--	0.9	279.0	7.4	--	--	4-27-61
38.5847	77.1694	017	210CRCS	CH BB 8	0.4	0.5	69.0	3.2	168.0	10.0	8.5	36.0	--	--	0.05	--	0.9	314.0	7.9	15.5	211.0	10-14-57
38.5847	77.1694	017	210CRCS	CH BB 8	0.4	0.2	69.0	2.8	156.0	13.0	6.2	43.0	--	--	0.10	--	1.0	269.0	7.8	--	215.0	6-17-59
38.5847	77.1694	017	210CRCS	CH BB 8	1.4	1.3	56.0	4.7	145.0	14.0	7.0	34.0	--	--	0.50	--	1.1	284.0	7.7	$4.5^{2,3}$	191.0	1-25-51
38.5847	77.1694	017	210CRCS	CH BB 8	0.4	0.1	65.0	2.4	155.0	11.0	6.2	35.0	--	--	0.10	--	0.9	281.0	8.0	14.5	197.0	7-13-56
38.5847	77.1694	017	210CRCS	CH BB 9	0.9	0.6	50.0	3.2	154.0	11.0	3.0	37.0	--	--	0.05	--	0.8	275.0	7.8	15.5	190.0	10-14-57
38.5847	77.1694	017	210CRCS	CH BB 9	0.5	0.1	63.0	2.7	146.0	11.0	3.0	35.0	--	--	0.20	--	0.8	262.0	7.9	14.5	188.0	7-13-56
38.5847	77.1694	017	210CRCS	CH BB 9	0.7	0.1	58.0	2.8	138.0	12.0	2.5	36.0	--	--	0.10	--	0.9	259.0	7.4	--	181.0	4-27-61
38.5847	77.1694	017	210CRCS	CH BB 9	1.5	0.3	61.0	2.7	153.0	16.0	3.1	37.0	--	--	0.40	--	0.8	255.0	7.9	--	198.0	5-28-52
38.5847	77.1694	017	210CRCS	CH BB 14	0.4	0.5	66.0	3.2	157.0	9.4	11.0	34.0	--	--	0.10	--	0.8	314.0	7.8	15.5	203.0	10-14-57
38.5847	77.1694	017	210CRCS	CH BB 14	0.5	0.1	72.0	2.7	152.0	11.0	19.0	30.0	--	--	0.05	--	1.0	333.0	7.7	--	211.0	4-27-61
38.5847	77.1694	017	210CRCS	CH BB 14	0.9	0.3	73.0	2.8	159.0	11.0	14.0	37.0	--	--	0.05	--	1.0	315.0	7.8	--	218.0	6-15-59
38.5847	77.1694	017	210CRCS	CH BB 15	8.8	4.4	60.0	5.2	195.0	1.6	15.0	37.0	--	--	0.20	--	0.3	352.0	8.2	--	226.0	1- 5-56
38.5853	77.1636	017	210CRCS	CH BC 2	0.4	0.1	59.0	3.2	144.0	10.0	2.5	37.0	--	--	0.05	--	0.8	255.0	7.8	15.5	164.0	10-14-57
38.5853	77.1636	017	210CRCS	CH BC 2	0.5	0.1	59.0	2.4	140.0	12.0	2.2	34.0	--	--	0.05	--	1.0	255.0	8.0	14.5	180.0	7-13-56
38.5853	77.1636	017	210CRCS	CH BC 2	0.3	0.2	58.0	2.6	144.0	14.0	2.6	34.0	--	--	0.10	--	0.6	253.0	7.9	--	183.0	5-15-52
38.5853	77.1636	017	210CRCS	CH BC 3	0.7	0.5	64.0	2.4	155.0	9.6	5.0	35.0	--	--	0.05	--	0.8	276.0	7.8	15.5	194.0	10-14-57
38.5853	77.1636	017	210CRCS	CH BC 3	0.3	0.2	66.0	2.3	156.0	9.4	7.3	31.0	--	--	0.10	--	0.9	280.0	8.0	14.5	194.0	7-13-56
38.5853	77.1636	017	210CRCS	CH BC 3	0.5	0.1	76.0	2.9	168.0	14.0	14.0	29.0	--	--	0.30	--	0.7	323.0	7.9	--	220.0	5-28-52
38.5853	77.1636	017	210CRCS	CH BC 3	0.7	0.6	61.0	2.5	150.0	12.0	3.6	37.0	--	--	0.05	--	1.0	267.0	7.8	--	192.0	6-17-59
38.5853	77.1636	017	210CRCS	CH BC 3	0.5	--	60.0	2.8	145.0	10.0	4.0	35.0	--	--	0.05	--	0.8	268.0	7.4	--	--	4-27-61
38.5853	77.1636	017	210CRCS	CH BC 3	1.5	0.4	72.0	2.2	169.0	11.0	11.0	26.0	--	--	0.60	--	1.1	--	-	--	209.0	7-27-38
38.5900	77.1622	017	210CRCS	CH BC 5	0.5	0.1	77.0	2.8	172.0	11.0	19.0	27.0	--	--	0.40	--	0.8	337.0	7.8	--	223.0	5-26-52

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.5900	77.1622	017	210CRCS	CH BC 5	0.4	0.1	84.0	2.8	173.0	9.0	23.0	26.0	--	--	0.30	--	0.9	362.0	8.0	14.5	232.0	7-13-56
38.5900	77.1622	017	210CRCS	CH BC 5	0.8	0.4	83.0	3.0	172.0	10.0	25.0	36.0	--	--	0.10	--	1.1	371.0	7.9	--	244.0	6-17-59
38.5900	77.1622	017	210CRCS	CH BC 5	0.7	0.4	80.0	3.3	167.0	11.0	25.0	28.0	--	--	0.10	--	0.9	373.0	7.5	--	232.0	4-27-61
38.5900	77.1622	017	210CRCS	CH BC 5	0.4	0.4	78.0	1.8	170.0	9.4	23.0	28.0	--	--	0.05	--	--	373.0	7.7	15.5	225.0	10-14-57
38.5900	77.1883	017	210CRCS	CH BB 17	1.7	0.5	93.0	3.7	213.0	7.2	18.0	39.0	--	--	0.10	--	0.6	377.0	7.6	--	269.0	12-12-59
38.5900	77.1883	017	210CRCS	CH BB 17	1.3	0.5	104.0	4.4	235.0	2.0	28.0	36.0	--	--	0.05	--	0.6	459.0	7.4	--	293.0	4-27-61
38.5922	77.1653	017	210CRCS	CH BC 15	0.6	1.0	68.0	3.6	163.0	7.3	6.0	36.0	--	--	1.20	--	1.1	299.0	7.8	--	205.0	4-14-55
38.5967	77.0978	017	210CRCS	CH BC 12	5.9	2.4	70.0	8.6	210.0	13.0	1.2	16.0	--	--	0.70	--	0.5	357.0	7.8	--	222.0	3-28-50
38.5492	76.9508	017	211CRCSU	CH CE 6	23.0	3.9	30.0	12.0	170.0	13.0	6.0	12.0	--	--	0.05	--	0.2	300.0	7.9	--	184.0	9-16-57
38.5533	77.0011	017	211CRCSU	CH CD 26	27.0	5.6	57.0	6.8	220.0	20.0	20.0	13.0	--	--	0.30	--	0.5	424.0	7.6	16.0	259.0	12-15-61
38.5222	76.7539	017	211MGTY	CH CG 18 730560	19.0	7.8	27.0	11.0	169.0	6.3	0.1	8.6	--	--	--	--	0.4	--	7.4	19.5	164.0	1-30-75
38.5389	76.8367	017	211MGTY	CH CF 9	17.0	6.1	21.0	12.0	143.0	8.0	1.6	32.0	--	--	1.10	--	0.3	252.0	8.1	14.5	170.0	3-21-51
38.5389	76.8367	017	211MGTY	CH CF 9	21.0	8.3	20.0	11.0	165.0	11.0	0.9	11.0	--	--	0.50	--	0.3	268.0	7.5	--	165.0	4-17-52
38.5658	76.7783	017	211MGTY	CH CG 15 67 46	26.0	10.0	14.0	11.0	179.0	7.2	0.5	9.0	--	--	0.10	0.17	0.4	289.0	7.7	--	167.0	11- 1-66
38.5039	76.9475	017	211MGTY	CH BE 17	11.0	3.0	47.0	7.8	174.0	10.0	1.0	9.9	--	--	0.30	--	0.2	280.0	7.4	15.5	176.0	12-15-61
38.5994	76.8792	017	211MGTY	CH BF 145 732889	41.0	13.0	10.0	12.0	207.3	6.9	1.1	13.0	160.0	--	--	--	0.2	300.0	7.6	16.0	200.0	5-13-81
38.6228	76.9094	017	211MGTY	CH BF 15	44.0	15.0	6.3	9.9	222.0	7.3	1.2	16.0	--	--	0.50	--	0.1	354.0	8.0	--	210.0	1- 9-47
38.6256	76.8886	017	211MGTY	CH BF 142 731750	36.0	13.0	8.8	11.0	190.0	7.5	1.0	11.0	540.0	--	--	--	0.2	--	7.6	12.0	183.0	3-21-78
38.6386	76.8369	017	211MGTY	CH BF 141 730190	29.0	12.0	11.0	10.0	185.0	8.2	2.2	8.8	--	--	--	--	0.3	--	7.4	17.0	173.0	1- 7-76
38.6511	76.8797	017	211MGTY	CH BF 5	31.0	11.0	8.7	10.0	172.0	9.9	1.2	9.6	--	--	0.80	--	0.2	288.0	7.6	--	167.0	9-15-49
38.3167	76.9101	017	217PPSC	CH FE 3	1.2	--	86.0	3.8	226.0	8.2	2.5	13.0	--	--	0.30	--	0.7	355.0	8.2	16.0	227.0	12-15-61
38.4058	76.9542	017	217PPSC	CH EE 56	2.0	0.2	66.0	2.6	173.0	8.0	2.0	17.0	--	--	0.05	--	0.6	301.0	7.6	16.5	184.0	3- 9-61
38.6844	77.1014	017	217PPSC	CH AC 11	1.8	0.4	30.0	2.3	88.0	0.2	2.2	45.0	--	--	0.05	--	0.4	149.0	6.8	15.7	99.0	3- 9-61
38.5433	76.9442	017	217PTMC	CH CE 37 730219	0.2	0.1	70.0	1.7	148.0	17.0	2.1	37.0	--	--	--	--	1.2	275.0	7.7	--	202.0	11- 9-73
38.3778	76.9744	017	217PTXN	CH EE 78 78 T7	1.0	0.4	140.0	2.4	300.0	24.0	31.0	42.0	490.0	--	--	--	0.8	620.0	7.8	23.0	390.0	6-16-78
38.5542	77.2219	017	217PTXN	CH CB 26	1.4	0.8	73.0	4.3	171.0	11.0	13.0	35.0	--	--	0.20	--	1.1	334.0	7.5	10.0	224.0	11-12-58
38.6086	77.1431	017	217PTXN	CH BC 6	0.8	--	56.0	2.1	135.0	14.0	2.5	45.0	--	--	0.05	--	1.0	258.0	7.7	16.5	194.0	3- 9-61
38.5350	75.7042	019	112PCPC	DO CH 28 731132	0.1	0.1	20.0	0.1	41.5	6.5	5.8	27.0	80.0	--	--	--	0.1	64.0	5.0	14.4	--	5-12-81
38.5944	75.8789	019	112PCPC	DO BG 65	1.0	0.3	2.9	2.1	8.5	0.1	2.8	9.3	10.0	--	--	--	0.1	25.0	4.5	14.4	23.0	5- 7-81
38.5561	75.9364	019	112PLSC	DO CF 13 30911	3.5	1.6	14.0	1.5	21.0	7.0	17.0	28.0	--	--	0.10	--	--	107.0	6.0	15.6	83.0	10-14-65
38.4419	75.9061	019	122CLVR	DO DG 4 4299	11.0	7.2	312.0	13.0	672.0	60.0	102.0	62.0	--	--	0.10	--	0.8	1390.0	8.2	17.2	898.0	4-22-65
38.4847	75.8278	019	122CLVR	DO DH 7	9.0	6.2	438.0	14.0	820.3	163.0	170.0	55.0	--	100.0	0.50	0.05	1.0	2030.0	8.5	--	1260.0	12- 9-52
38.5567	75.9361	019	122CLVR	DO CF 18 27653	17.0	7.7	50.0	6.4	224.0	4.1	1.9	42.0	--	--	0.10	--	0.3	338.0	7.8	15.0	240.0	10-14-65
38.6106	75.9531	019	122CLVR	DO BF 20	32.0	5.6	26.0	6.1	192.0	5.0	2.3	58.0	--	--	0.10	--	0.4	296.0	7.8	17.2	230.0	9-16-65
38.3017	76.0703	019	124PNPN	DO FE 14 2721	7.8	8.2	360.0	16.0	556.5	22.0	195.0	25.0	--	--	0.90	0.05	1.4	1450.0	8.5	14.4	--	2-26-54
38.3242	76.2314	019	124PNPN	DO FC 8 885	8.6	5.7	178.0	10.0	452.0	11.0	49.0	30.0	--	--	--	--	1.4	834.0	7.8	17.8	516.0	4-28-65
38.4194	75.9611	019	124PNPN	DO DF 11 23029	6.3	4.3	322.0	12.0	720.0	74.0	65.0	24.0	--	--	0.10	--	2.3	1370.0	8.0	15.0	864.0	4-29-65
38.4458	76.0925	019	124PNPN	DO DD 8 53078	5.1	3.3	186.0	8.8	471.0	19.0	24.0	17.0	--	--	0.10	--	1.6	803.0	8.1	18.3	497.0	4-20-65
38.4878	75.8214	019	124PNPN	DO DH 11	18.0	18.0	940.0	20.0	948.0	640.0	580.0	45.0	--	--	0.50	--	1.3	4320.0	7.8	18.5	2730.0	4-23-70
38.5061	76.1497	019	124PNPN	DO CD 31 7017	14.0	6.8	154.0	13.0	460.0	5.8	24.0	38.0	--	--	--	--	1.3	712.0	7.9	17.2	484.0	10-15-65
38.5453	76.0731	019	124PNPN	DO CE 78 66 26	5.4	4.6	168.0	8.0	440.5	18.0	10.0	22.0	--	--	0.50	--	1.0	719.0	8.6	17.0	455.0	11- 3-65
38.5453	76.0744	019	124PNPN	DO CE 84 73 182	0.6	0.2	55.0	2.0	125.0	15.0	1.5	12.0	--	--	--	--	0.6	214.0	7.9	26.0	149.0	5- 9-74
38.5453	76.0744	019	124PNPN	DO CE 84 73 182	5.4	4.6	168.0	8.0	440.5	18.0	10.0	22.0	--	--	0.50	--	1.0	719.0	8.6	17.2	455.0	11- 3-65
38.5569	76.0192	019	124PNPN	DO CE 75	4.1	6.6	130.0	9.5	370.0	10.0	5.8	20.0	--	--	--	--	0.9	577.0	8.1	--	363.0	5-21-65
38.5622	76.0700	019	124PNPN	DO CE 86 731028	5.0	1.0	170.0	8.5	490.0	12.0	7.6	21.0	20.0	--	--	--	1.1	750.0	8.0	17.5	470.0	7-18-79
38.5647	76.0683	019	124PNPN	DO CE 2	5.3	3.5	174.0	8.3	482.7	12.0	6.7	20.0	--	--	0.10	--	1.2	760.0	8.7	18.0	469.0	8- 2-67
38.5647	76.0683	019	124PNPN	DO CE 2	4.6	3.3	160.0	7.4	432.0	16.0	10.0	21.0	--	--	0.70	0.40	1.1	685.0	8.4	--	--	1-17-52
38.5647	76.0683	019	124PNPN	DO CE 2	4.0	3.4	177.0	7.8	489.0	11.0	5.1	21.0	--	--	--	--	1.1	750.0	8.2	17.8	470.0	4- 2-65
38.5647	76.0683	019	124PNPN	DO CE 2	5.1	3.5	172.0	6.4	471.3	19.0	7.5	20.0	--	--	0.40	--	1.2	766.0	8.0	17.8	467.0	10- 8-48
38.6189	75.8439	019	124PNPN	DO BG 59 730612	20.0	2.2	220.0	7.9	534.0	24.0	25.0	21.0	140.0	--	--	--	1.3	870.0	8.5	18.0	585.0	9-23-76
38.4678	76.2894	019	125AQUI	DO DB 4 5073	4.1	0.7	42.0	8.3	124.0	6.8	2.4	12.0	--	--	0.20	--	0.4	207.0	7.7	18.3	138.0	10-15-65
38.5133	76.2253	019	125AQUI	DO CC 37 1437	5.5	0.4	78.0	8.2	223.0	8.1	1.7	12.0	--	--	--	--	0.7	349.0	7.9	16.7	225.0	10-28-65
38.5025	76.1528	019	211MGTY	DO CD 17	0.9	0.1	58.0	3.4	145.0	9.2	2.0	13.0	--	--	0.50	0.30	0.4	245.0	7.9	--	159.0	2- 3-55
38.5453	76.0725	019	211MGTY	DO CE 81	5.2	0.3	93.0	3.9	240.0	9.8	9.2	11.0	--	--	0.10	--	1.1	411.0	8.2	22.5	251.0	9-15-71
38.5647	76.0683	019	211MGTY	DO CE 3 174	--	1.0	93.0	4.4	245.0	9.6	2.2	11.0	--	--	--	--	1.1	397.0	7.9	--	242.0	4- 2-65
38.5647	76.0683	019	211MGTY	DO CE 3 174	3.2	2.4	139.0	5.3	376.3	14.0	6.8	18.0	--	--	0.20	--	1.0	615.0	8.2	22.2	375.0	10- 8-48
38.6233	76.2783	019	211MGTY	DO BB 12	9.6	5.8	7.1	9.6	76.0	10.0	1.5	10.0	--	--	--	--	0.3	151.0	7.0	21.1	95.0	4-23-65
38.5669	76.0556	019	217ARDL	DO CE 88	1.1	0.4	230.0	1.5	336.5	28.0	140.0	19.0	100.0	70.0	--	--	1.0	920.0	8.7	37.0	596.0	4-16-81
38.5669	76.0556	019	217ARDL	DO CE 88	2.0	0.4	260.0	1.9	415.8	35.0	120.0	18.0	310.0	10.0	0.39	0.40	1.3	996.0	8.4	33.0	637.0	5-28-81
38.5628	76.0608	019	217NNHR	DO CE 82	0.4	0.1	57.0	1.6	133.0	18.0	1.7	12.0	--	--	0.10	--	0.6	258.0	7.9	26.0	157.0	10- 5-71

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier		Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
38.5669	76.0556	019	217PTXN	DO CE 88		2900.0	490.0	14000.0	48.0	58.5	665.0	27800.0	14.0	7200.0	10.0	--	--	0.3	58500.0	7.6	35.5	47200.0	2-28-81
38.5669	76.0556	019	217PTXN	DO CE 88		44.0	7.7	1400.0	8.9	182.9	38.0	2200.0	19.0	710.0	30.0	--	--	0.4	6500.0	7.8	34.0	3820.0	3-26-81
39.2697	75.8531	029		KE BF 9		55.0	1.2	3.0	2.4	169.0	13.0	1.8	18.0	--	--	0.50	--	0.1	283.0	7.6	15.5	178.0	9-28-54
39.2219	76.0700	029	125AQUI	KE CD 15		34.0	1.0	2.6	2.6	102.0	7.5	2.8	28.0	--	--	0.10	--	--	197.0	7.8	14.5	129.0	12-21-54
39.2586	75.8375	029	125AQUI	KE BF 1		41.0	7.0	2.9	1.3	163.0	3.5	0.8	18.0	--	--	0.10	--	0.1	265.0	7.5	14.5	155.0	1-10-55
39.3042	75.7892	029	125AQUI	KE BG 34		52.0	1.9	3.0	1.9	170.0	4.3	2.4	23.0	1100.0	--	--	--	0.1	295.0	7.1	14.0	174.0	10-26-78
39.3289	75.9672	029	211CRCSU	KE BE 5		61.0	1.3	2.5	2.2	190.0	5.3	2.0	19.0	--	--	0.10	--	--	316.0	7.4	12.0	187.0	12-21-54
39.2417	76.0325	029	211MGTY	KE CD 50		18.0	5.3	3.6	6.4	82.0	12.0	1.0	6.1	--	--	0.05	--	0.3	160.0	7.3	--	93.0	3-25-68
39.3064	75.9964	029	211MGTY	KE BE 43	730659	44.0	4.5	6.8	3.9	170.0	8.8	2.4	11.0	2700.0	--	--	--	0.1	290.0	7.1	16.0	168.0	12- 7-78
39.3647	75.9672	029	211MTWN	KE AE 18		33.0	0.9	3.1	1.7	96.0	9.2	5.6	16.0	--	--	0.50	--	0.5	187.0	7.5	17.0	118.0	9-28-54
39.1436	76.2344	029	217PTMC	KE DB 40	730805	4.8	2.8	16.0	5.0	43.0	14.0	11.0	10.0	7700.0	--	--	--	0.2	163.0	5.6	19.0	93.0	12- 4-78
39.1436	76.2344	029	217PTMC	KE DB 40	730805	5.0	2.9	15.0	4.9	45.0	12.0	10.0	9.8	7100.0	--	--	--	0.2	153.0	6.1	18.0	89.0	12- 5-78
39.2333	76.1706	029	217PTMC	KE CB 36	730660	6.0	1.3	88.0	14.0	140.0	66.9	46.0	4.6	140.0	--	--	--	0.4	420.0	8.1	15.5	296.0	4-18-78
39.2333	76.1706	029	217PTMC	KE CB 36	730660	6.0	--	50.0	2.9	83.0	19.0	32.0	7.2	--	--	--	--	0.2	280.0	-	14.0	--	4-20-78
39.3042	75.7892	029	217PTMC	KE BG 33	730670	4.7	1.0	90.0	4.1	180.0	8.6	47.0	9.1	860.0	--	--	--	0.6	435.0	8.1	20.5	255.0	10-25-78
38.8883	76.8572	033	110QRNR	PG DD 6		11.0	4.2	4.1	1.0	2.0	43.0	5.5	8.7	--	--	2.80[3]	--	0.2	135.0	5.1	--	81.0	3-21-49
38.9428	76.9583	033	110QRNR	PG CC 30		46.0	148.0	--	--	217.0	265.0	215.0	18.0	--	--	129.00[3]	--	0.5	1720.0	7.1	--	--	9- 7-58
38.6425	76.7656	033	112UPLD	PG GE 10		8.2	1.1	2.9	1.5	28.0	5.1	3.9	7.8	--	--	0.40	--	0.1	71.4	6.9	--	45.0	3- 6-51
38.6828	76.8706	033	112UPLD	PG FD 16		48.0	6.1	16.0	17.0	166.0	40.0	6.5	18.0	--	--	7.50	--	0.1	380.0	7.2	--	241.0	3-28-50
38.6986	76.8453	033	112UPLD	PG FD 34		22.0	2.5	7.9	0.7	84.0	1.9	8.8	5.2	--	--	0.10	--	--	163.0	7.4	4.5[2,3]	90.0	3-15-51
38.7639	76.9011	033	112UPLD	PG ED 17		4.1	2.0	6.9	2.1	8.0	9.2	9.9	6.4	--	--	7.60	--	--	83.4	5.4	12.0	52.0	4-13-50
38.5836	76.7244	033	124NNJM	PG GF 1		21.0	12.0	2.1	5.6	142.0	4.3	2.0	33.0	--	--	1.30	--	0.3	239.0	8.0	15.0	152.0	3-28-49
38.6611	76.7708	033	124NNJM	PG GE 13		52.0	5.1	2.8	4.6	193.0	4.0	1.2	59.0	--	--	0.05	--	0.1	308.0	7.7	15.5	224.0	6- 6-63
38.5419	76.6884	033	125AQUI	PG HF 25		26.0	13.0	5.5	13.0	163.0	12.0	0.3	12.0	--	--	0.05	--	--	275.0	7.9	--	162.0	5-16-63
38.5633	76.6869	033	125AQUI	PG HF 42	730294	27.0	14.0	4.9	14.0	156.0	10.0	0.9	12.0	--	--	--	--	0.3	--	7.8	17.8	160.0	12-20-74
38.6347	76.7556	033	125AQUI	PG GE 12		34.0	14.0	3.6	11.0	185.0	11.0	0.2	12.0	--	--	0.05	--	--	301.0	7.8	15.5	177.0	6- 5-63
38.6467	76.8328	033	125AQUI	PG GE 18	730858	35.0	15.0	4.9	12.0	200.0	12.0	0.9	13.0	220.0	--	--	--	0.3	315.0	7.4	16.0	192.0	5-15-78
38.7067	76.9331	033	125AQUI	PG FC 22		26.0	10.0	3.4	9.0	138.0	7.4	0.7	13.0	--	--	0.05	--	0.1	231.0	8.0	15.0	138.0	6- 7-63
38.7092	76.7461	033	125AQUI	PG FF 16		47.0	13.0	5.0	8.4	225.0	7.0	1.3	15.0	--	--	0.90	--	0.1	340.0	7.8	--	209.0	3-31-52
38.8242	76.7342	033	125AQUI	PG EF 16		82.0	7.2	2.0	4.4	234.0	45.0	1.6	28.0	--	--	0.05	--	0.1	448.0	7.8	14.5	286.0	6- 5-63
38.9056	76.6778	033	125AQUI	PG DF 5		59.0	3.8	2.5	4.1	198.1	9.7	2.1	33.0	--	--	0.20	--	0.1	320.0	7.8	--	212.0	3-26-50
38.9531	76.7172	033	125AQUI	PG CF 11		6.0	1.5	5.1	3.5	10.0	4.1	11.0	20.0	--	--	3.70	--	--	80.5	6.1	13.0	64.0	4-17-50
38.5472	76.6814	033	210CRCS	PG HF 31		13.0	8.4	23.0	9.2	141.0	11.0	1.0	11.0	--	--	0.20	--	0.4	245.0	7.8	22.0	147.0	6-14-73
38.5406	76.6822	033	211MGTY	PG HF 28		25.0	12.0	17.0	9.8	182.0	6.2	0.3	9.5	--	--	0.05	--	0.2	284.0	8.2	19.5	169.0	5-17-63
38.5633	76.6869	033	211MGTY	PG HF 41	730297	30.0	11.0	14.0	9.3	179.0	3.3	1.1	8.7	--	--	--	--	0.4	--	6.5	19.5	166.0	1-14-75
38.6422	76.6964	033	211MGTY	PG GF 35	730295	37.0	9.6	7.5	7.7	178.0	2.4	1.1	9.2	--	--	--	--	0.4	--	7.5	17.6	163.0	2- 5-75
38.6786	76.8442	033	211MGTY	PG FD 63		15.0	5.0	42.0	7.1	169.0	11.0	7.0	10.0	--	--	0.10	--	0.2	313.0	7.9	--	181.0	1-24-57
38.6967	76.8525	033	211MGTY	PG FD 32		39.0	15.0	4.9	5.5	203.0	9.2	1.4	12.0	--	--	0.50	--	0.1	320.0	7.8	--	188.0	4-17-52
38.7069	76.9417	033	211MGTY	PG FC 14		29.0	11.0	4.2	9.2	147.0	13.0	1.2	13.0	--	--	0.60	--	0.3	263.0	7.7	12.0	154.0	4-13-50
38.7089	76.7575	033	211MGTY	PG FE 29		49.0	15.0	--	--	225.0	6.2	5.0	14.0	--	--	0.10	--	0.2	359.0	7.6	--	--	5-12-60
38.7092	76.7706	033	211MGTY	PG FE 25		45.0	15.0	--	--	223.0	2.2	5.0	14.0	--	--	0.10	--	0.2	352.0	7.8	--	--	5-12-60
38.7369	76.8389	033	211MGTY	PG FD 6		37.0	7.9	3.4	1.2	158.0	13.0	1.5	13.0	--	--	1.80	--	0.2	285.0	7.7	--	157.0	3-25-49
38.7494	76.8578	033	211MGTY	PG FD 10		35.0	8.6	2.7	4.8	153.0	9.5	1.8	16.0	--	--	0.30	--	0.2	254.0	7.9	15.5	154.0	4-14-52
38.7497	76.8542	033	211MGTY	PG FD 64		38.0	7.5	3.7	4.9	150.0	9.4	2.0	13.0	--	--	0.05	--	0.5	263.0	7.4	--	153.0	5- 4-61
38.7497	76.8542	033	211MGTY	PG FD 64		37.0	6.7	3.3	8.0	152.0	8.8	1.1	13.0	--	--	0.10	--	0.2	263.0	7.7	4.5[2,3]	153.0	1-19-59
38.7497	76.8542	033	211MGTY	PG FD 64		37.0	6.1	5.5	5.4	155.0	8.8	2.3	14.0	--	--	0.10	--	0.2	265.0	7.9	--	156.0	6- 7-57
38.7497	76.8542	033	211MGTY	PG FD 64		38.0	8.6	3.6	4.9	159.0	7.8	5.1	10.0	--	--	0.10	--	0.1	267.0	8.0	--	157.0	7- 2-56
38.7497	76.8542	033	211MGTY	PG FD 64		36.0	7.6	4.2	5.3	155.0	10.0	1.0	11.0	--	--	0.30	--	0.1	257.0	8.2	--	151.0	12- 6-54
38.7497	76.8567	033	211MGTY	PG FD 11		37.0	5.9	5.0	5.8	155.0	8.6	2.1	13.0	--	--	0.05	--	0.4	259.0	7.9	--	154.0	6- 7-57
38.7497	76.8567	033	211MGTY	PG FD 11		36.0	8.3	4.2	5.2	157.0	10.0	1.0	12.0	--	--	0.30	--	0.1	257.0	8.2	--	154.0	12- 6-54
38.7497	76.8567	033	211MGTY	PG FD 11		36.0	9.1	3.6	4.9	150.0	9.4	2.0	13.0	--	--	0.05	--	0.3	265.0	7.4	--	152.0	5- 4-61
38.7497	76.8567	033	211MGTY	PG FD 11		34.0	8.9	3.5	4.8	156.0	9.0	1.5	16.0	--	--	0.50	--	0.2	253.0	8.2	14.5	155.0	4-14-52
38.7497	76.8567	033	211MGTY	PG FD 11		36.0	5.7	3.5	4.9	151.0	8.8	0.8	13.0	--	--	0.10	--	0.2	263.0	7.6	10.0	148.0	1-19-59
38.7497	76.8567	033	211MGTY	PG FD 11		38.0	8.6	3.6	4.9	160.0	8.0	3.1	11.0	--	--	0.20	--	0.3	270.0	8.0	--	157.0	7- 2-56
38.7736	76.7342	033	211MGTY	PG EF 18		45.0	8.8	--	--	162.0	13.0	9.5	15.0	--	--	0.10	--	0.4	298.0	7.5	--	--	5-12-60
38.7767	76.7369	033	211MGTY	PG EF 17		52.0	7.3	--	--	168.0	15.0	5.5	11.0	--	--	0.20	--	0.1	302.0	7.6	--	--	5-12-60
38.7981	76.8464	033	211MGTY	PG ED 8		46.0	8.5	4.6	4.4	185.3	8.3	2.0	16.0	--	--	0.30	--	--	296.0	8.0	15.0	181.0	4-17-50
38.8164	76.7478	033	211MGTY	PG EF 5		42.0	19.0	--	--	192.2	20.0	1.9	27.0	--	--	0.50	--	0.4	335.0	8.4	--	--	2-28-58
38.8164	76.7478	033	211MGTY	PG EF 5		60.0	6.7	3.1	1.7	192.0	18.0	2.0	25.0	--	--	0.20	--	0.3	338.0	7.5	14.5	212.0	4-15-46
38.8325	76.7278	033	211MGTY	PG EF 3		50.0	5.2	5.0	1.9	178.0	10.0	2.1	15.0	--	--	--	--	0.2	307.0	6.9	--	177.0	6- 6-49

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier		Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.9242	76.7422	033	211MGTY	PG CF 2		17.0	2.0	3.1	1.0	58.0	13.0	2.5	45.0	--	--	0.80	--	0.1	132.0	6.5	14.0	113.0	3-22-49
38.9275	76.8144	033	211MGTY	PG CE 17		21.0	2.0	3.4	2.1	40.0	18.0	12.0	4.4	--	--	1.40	--	0.1	149.0	7.5	15.0	84.0	11- 4-49
38.5467	76.6814	033	217PPSC	PG HF 38	730172	14.0	0.7	24.0	10.0	143.0	11.0	0.6	9.6	--	--	--	--	0.3	256.0	8.4	--	149.0	3-26-74
38.5633	76.6869	033	217PPSC	PG HF 40	730298	23.0	13.0	15.0	8.8	170.0	3.3	1.2	9.5	--	--	--	--	0.8	--	6.2	21.5	158.0	1-24-75
38.6842	76.9769	033	217PPSC	PG FC 31		0.5	--	56.0	1.4	125.0	24.0	0.4	39.0	--	--	0.05	--	0.2	246.0	7.9	--	183.0	6- 6-63
38.7172	77.0261	033	217PPSC	PG FB 7		2.8	1.0	60.0	0.6	130.0	28.0	1.5	32.0	--	--	1.10	--	0.3	265.0	8.1	15.5	191.0	3-31-49
38.7497	76.9775	033	217PPSC	PG FC 32		2.8	1.6	50.0	5.0	117.0	29.0	1.5	12.0	--	--	0.05	--	--	245.0	7.7	17.0	160.0	6- 6-63
38.7875	76.8722	033	217PPSC	PG ED 58		46.0	8.0	5.0	4.8	180.0	7.3	2.4	14.0	260.0	--	--	--	0.2	315.0	7.6	14.8	177.0	6- 8-79
38.7956	76.9972	033	217PPSC	PG DC 42		3.0	2.1	46.0	2.9	119.0	15.0	2.0	13.0	--	--	0.10	--	0.2	214.0	7.5	16.5	143.0	6- 6-63
38.8036	76.9839	033	217PPSC	PG DC 26		3.4	1.6	50.0	4.8	123.0	24.0	1.5	13.0	--	--	0.80	--	0.1	246.0	7.8	--	160.0	3-31-52
38.8300	76.8922	033	217PPSC	PG ED 4		48.0	5.2	3.1	0.5	158.0	8.5	2.0	30.0	--	--	1.70	--	0.1	264.0	7.7	15.0	177.0	3-31-49
38.8458	76.9278	033	217PPSC	PG DC 8		19.0	6.9	--	--	81.0	16.0	0.8	16.0	--	--	0.40	--	--	--	--	--	--	11-12-19
38.9242	76.7422	033	217PPSC	PG CF 25		7.6	1.2	1.6	1.8	17.0	14.0	2.0	22.0	--	--	0.10	--	0.2	69.0	5.9	14.0	59.0	4-17-52
38.9306	76.8139	033	217PPSC	PG CE 18		20.0	6.8	3.5	2.6	73.0	22.0	2.4	7.6	--	--	0.10	--	0.1	177.0	6.5	14.0	101.0	11- 4-49
38.9683	76.7317	033	217PPSC	PG CF 32		3.5	1.1	1.0	1.1	1.0	14.0	1.4	9.2	--	--	0.05	--	--	52.0	4.7	15.5	32.0	6- 5-63
38.9853	76.7086	033	217PPSC	PG CF 1		2.1	0.7	2.4	1.3	10.0	5.4	1.8	3.7	--	--	0.10	--	--	41.0	5.7	--	22.0	11- 4-49
38.6686	77.0272	033	217PTMC	PG FB 21		1.0	3.2	82.0	3.2	224.0	8.4	1.0	37.0	--	--	0.05	--	1.2	358.0	8.0	16.5	247.0	6- 7-63
38.7700	77.0231	033	217PTMC	PG EB 3		1.3	0.6	53.0	2.4	120.0	21.0	2.0	21.0	--	--	0.40	--	0.3	237.0	7.8	13.5	161.0	3-17-50
38.7889	76.9769	033	217PTXN	PG EC 29		2.0	1.2	62.0	11.0	81.0	9.0	61.0	14.0	--	--	0.05	--	--	346.0	7.7	18.0	200.0	6- 6-63
38.8117	77.0064	033	217PTXN	PG EB 1		1.2	0.1	60.0	0.8	132.0	20.0	4.5	24.0	--	--	1.60	--	0.1	255.0	8.0	11.5	177.0	3-28-49
38.8150	76.9100	033	217PTXN	PG ED 32		17.0	9.1	5.9	16.0	113.0	22.0	1.6	10.0	--	--	0.20	--	0.3	236.0	7.7	--	138.0	3- 6-51
38.9094	76.8894	033	217PTXN	PG DD 17		8.8	3.9	1.5	1.9	39.0	5.9	3.8	10.0	--	--	0.50	--	--	95.3	6.6	--	56.0	4-18-51
39.0133	76.8264	033	217PTXN	PG BE 6		1.0	0.8	14.0	2.3	6.0	31.0	3.0	3.1	--	--	0.05	--	--	97.1	5.3	12.5	58.0	4-13-50
39.0281	76.8769	033	217PTXN	PG DD 29		1.0	0.6	2.0	0.4	4.0	1.8	3.0	7.4	--	--	2.20	--	0.5	27.1	6.0	13.5[2,3]	20.0	3-22-49
39.0411	76.9475	033	217PTXN	PG BC 10		5.6	4.4	6.0	3.8	36.0	1.8	11.0	3.7	--	--	6.50	--	0.2	136.0	7.3	8.5	61.0	3-17-50
38.9542	76.0633	035	124PNPN	QA EE 12		42.0	14.0	13.0	16.0	252.0	3.4	1.6	48.0	--	--	0.10	0.08	0.3	389.0	7.7	14.4	263.0	6-20-66
38.8761	76.3361	035	125AQUI	QA FA 39		23.0	4.7	85.0	6.2	289.0	7.0	18.0	18.0	--	--	0.20	--	1.1	507.0	7.8	15.5	306.0	12-20-54
38.9100	76.2008	035	125AQUI	QA FC 8	732193	20.0	9.6	32.0	12.0	190.0	2.6	1.6	13.0	210.0	--	--	--	1.0	10.0	6.8	16.0	186.0	8- 1-78
38.9633	76.2211	035	125AQUI	QA BC 83		31.0	12.0	41.0	12.0	290.0	1.4	4.0	15.0	--	--	1.50	--	0.3	435.0	7.8	15.0	261.0	9-29-54
38.9633	76.2889	035	125AQUI	QA EB 113		43.0	13.0	6.5	5.6	219.5	--	2.5	14.0	630.0	--	--	--	0.2	360.0	7.4	15.5	194.0	1-15-80
38.9658	76.3478	035	125AQUI	QA EA 10		43.0	7.5	4.1	4.6	186.0	0.1	3.1	27.0	--	--	1.50	--	0.2	297.0	7.5	12.0	183.0	12-20-54
38.9894	76.1581	035	125AQUI	QA ED 36		34.0	11.0	11.0	12.0	199.0	5.0	1.3	16.0	--	--	0.20	--	0.5	322.0	7.8	12.0	189.0	12-20-54
39.0031	76.3122	035	125AQUI	QA DB 10		136.0	15.0	45.0	3.2	196.0	216.0	80.0	38.0	--	--	14.00	--	0.4	975.0	7.1	11.0	644.0	12-20-54
39.0322	76.0772	035	125AQUI	QA DE 3		38.0	8.3	3.6	9.0	170.0	6.0	1.5	21.0	--	--	1.60	--	0.2	279.0	7.8	13.5	173.0	12-21-54
39.1964	76.0344	035	125AQUI	QA BE 4		11.0	0.4	2.9	1.1	38.0	0.1	2.5	20.0	--	--	8.40	--	0.1	92.0	6.7	12.0	65.0	12-21-54
39.2008	76.0453	035	125AQUI	QA BE 17		46.0	1.6	2.6	2.4	132.0	13.0	3.3	20.0	--	--	0.05	--	0.1	233.0	7.2	14.5	154.0	9-21-70
39.2008	76.0453	035	210CRCS	QA BE 15		40.0	10.0	242.0	16.0	10.0	5.4	473.0	7.5	--	--	0.30	--	0.2	1640.0	6.2	18.0	799.0	7-28-70
39.2008	76.0453	035	210CRCS	QA BE 15		272.0	86.0	1160.0	39.0	4.0	26.0	2580.0	8.1	--	--	1.10	--	0.2	7030.0	6.8	19.0	4170.0	8- 6-70
39.2008	76.0453	035	210CRCS	QA BE 16		9.1	3.2	14.0	5.6	73.0	10.0	2.9	7.4	--	--	0.05	--	0.3	146.0	7.1	16.0[2,3]	88.0	9-23-70
39.0692	76.1353	035	211CRCSU	QA DD 10		39.0	9.1	20.0	8.4	223.0	2.7	3.3	19.0	--	--	0.50	--	0.4	359.0	7.8	9.0	212.0	12-21-54
38.9542	76.3489	035	211MGTY	QA EA 26		16.0	5.2	2.1	2.8	13.0	54.0	0.8	7.4	--	--	0.05	--	0.4	150.0	6.8	10.0	95.0	4-11-72
39.2058	75.9083	035	211MNMT	QA BG 43		16.0	4.5	3.4	3.2	71.0	11.0	0.7	44.0	--	--	0.40	--	0.3	142.0	7.5	13.0	118.0	1-10-55
38.9642	76.2878	035	217PPSC	QA EB 111	733122	7.2	3.5	1.9	3.1	14.6	27.0	0.9	9.7	14000.0	--	0.04	--	0.2	154.0	6.4	21.0	75.0	2- 6-80
38.9642	76.2878	035	217PPSC	QA EB 112	733223	8.8	4.5	3.6	6.5	42.7	13.0	1.1	12.0	3200.0	40.0	0.09	--	0.2	135.0	6.2	25.0	75.0	2-14-80
38.9642	76.2878	035	217PTXN	QA EB 110	732979	3.1	1.8	36.0	6.7	85.3	14.0	15.0	14.0	1500.0	--	--	--	0.2	180.0	7.4	23.5	134.0	11-19-80
38.9642	76.2878	035	217PTXN	QA EB 110	732979	3.6	1.8	36.0	7.2	92.7	13.0	13.0	14.0	800.0	10.0	--	--	0.2	225.0	7.2	24.5	136.0	3- 4-80
38.1100	76.3544	037	112PLSC	SM FG 40		57.0	6.9	54.0	6.2	20.0	142.0	92.0	33.0	--	--	3.80	--	0.3	646.0	6.5	--	405.0	4- 2-52
38.2097	76.3992	037	112PLSC	SM EG 14		6.8	1.4	2.8	1.7	27.0	4.8	4.5	9.5	--	--	0.70	--	0.1	69.0	6.6	--	--	4- 2-52
38.2483	76.6756	037	112PLSC	SM EC 18		9.9	8.3	34.0	13.0	164.0	4.7	9.8	35.0	--	--	1.20	--	0.3	294.0	7.6	16.7	--	3- 5-50
38.2878	76.7736	037	112PLSC	SM DB 24		34.0	6.1	14.0	8.1	121.0	27.0	16.0	8.8	--	--	2.50	--	--	307.0	6.7	11.1	--	3-28-50
38.3219	76.4786	037	112PLSC	SM DF 31		2.5	5.1	18.0	1.4	19.0	9.5	28.0	13.0	--	200.0	3.80	0.05	--	164.0	6.3	--	91.0	4- 2-52
38.3397	76.7758	037	112PLSC	SM CB 9		3.8	3.3	19.0	2.2	28.0	8.0	22.0	12.0	--	1000.0	9.00	0.05	0.1	163.0	6.3	--	94.0	4- 2-52
38.4333	76.8114	037	112PLSC	SM DB 10		17.0	1.4	3.3	0.9	60.0	2.5	5.6	11.0	--	600.0	--	0.05	0.1	117.0	6.4	--	75.0	4-17-52
38.4725	76.7764	037	112PLSC	SM DB 1		14.0	1.5	33.0	4.4	15.0	22.0	55.0	4.7	--	--	4.80	--	--	283.0	7.4	--	--	1-17-47
38.1339	76.4975	037	124EOCN	SM FF 38		10.0	4.4	136.0	12.0	320.2	14.0	52.0	27.0	--	--	0.50	--	0.6	654.0	8.4	--	414.0	12-19-51
38.0800	76.3311	037	124NNJM	SM GA 7	32460	3.0	1.7	185.0	8.3	496.6	4.2	5.1	14.0	--	--	0.40	0.44	2.0	748.0	8.7	17.2	460.0	5-24-67
38.1114	76.3658	037	124NNJM	SM FG 48	24505	3.4	1.8	160.0	7.0	427.4	4.8	6.1	22.0	--	--	0.40	0.29	1.7	620.0	8.5	17.8	417.0	5-23-67
38.1233	76.4833	037	124NNJM	SM FF 8		5.4	3.0	102.0	11.0	312.0	8.4	3.8	22.0	--	--	0.90	--	0.9	499.0	8.0	--	311.0	3- 7-50
38.1422	76.5128	037	124NNJM	SM FE 27	67 161	6.1	2.7	88.0	10.0	269.0	7.0	1.9	19.0	--	--	0.10	0.16	0.4	400.0	8.1	17.0	267.0	5-25-67
38.1475	76.4353	037	124NNJM	SM FF 34	10166	5.3	1.9	95.0	8.5	273.3	5.8	2.3	26.0	--	--	0.60	0.20	0.8	431.0	8.5	--	--	4- 8-57

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.1475	76.4353	037	124NNJM	SM FF 34 10166	6.5	1.7	90.0	9.2	272.0	6.7	2.5	23.0	--	100.0	1.00	0.20	0.7	436.0	8.1	--	--	6-10-58
38.1475	76.4353	037	124NNJM	SM FF 34 10166	5.4	2.0	91.0	8.2	274.2	6.4	4.6	21.0	--	--	0.20	0.10	0.7	423.0	8.5	16.1	--	5-18-54
38.1478	76.3681	037	124NNJM	SM FG 46 35356	4.4	2.2	120.0	7.6	341.0	3.0	3.5	27.0	--	--	0.10	0.20	1.0	480.0	7.6	16.1	337.0	5-25-67
38.1656	76.4156	037	124NNJM	SM FG 50 67 80	6.1	3.3	74.0	10.0	241.0	4.0	2.3	36.0	--	--	0.10	0.09	0.3	360.0	8.2	16.1	255.0	5-22-67
38.1903	76.5108	037	124NNJM	SM EE 35 52384	16.0	7.6	32.0	15.0	182.1	8.0	1.3	48.0	--	--	0.10	0.04	0.4	292.0	8.3	16.1	218.0	5-23-67
38.1964	76.3931	037	124NNJM	SM EE 22 31138	13.0	7.4	47.0	13.0	213.3	7.2	0.9	40.0	--	--	0.90	0.10	0.2	338.0	8.4	16.7	235.0	5-24-67
38.2017	76.5703	037	124NNJM	SM EE 39 44048	18.0	9.3	24.0	15.0	180.1	9.6	1.1	49.0	--	--	0.40	--	0.3	298.0	8.4	16.7	216.0	5-25-67
38.2236	76.4539	037	124NNJM	SM EF 53 65 153	15.0	8.0	32.0	15.0	178.0	9.2	1.3	43.0	--	--	0.50	0.12	0.5	290.0	8.2	16.7	213.0	5-23-67
38.2394	76.5094	037	124NNJM	SM EE 38 23113	27.0	13.0	11.0	11.0	181.1	7.4	1.8	56.0	--	--	0.30	0.03	0.2	282.0	8.3	16.1	217.0	5-23-67
38.2431	76.4883	037	124NNJM	SM EF 57 67 89	31.0	10.0	13.0	13.0	170.0	21.0	2.0	52.0	--	--	0.10	0.04	0.5	316.0	7.6	15.6	227.0	11-30-66
38.2433	76.5622	037	124NNJM	SM EE 4 197	25.0	12.0	11.0	16.0	175.1	9.1	0.6	56.0	--	--	0.80	--	0.4	293.0	7.8	12.8	217.0	3-28-50
38.2442	76.6822	037	124NNJM	SM EC 15 65 201	12.0	5.7	34.0	15.0	164.0	8.0	1.9	28.0	--	--	--	0.02	0.2	275.0	8.0	16.7	186.0	5-18-67
38.2714	76.4283	037	124NNJM	SM DF 39	21.0	12.0	17.0	14.0	176.0	8.8	2.9	54.0	--	--	0.10	--	0.4	284.0	8.0	--	217.0	11-27-51
38.2714	76.4283	037	124NNJM	SM DF 39	21.0	12.0	18.0	12.0	171.0	9.0	3.0	48.0	--	--	0.05	--	0.6	290.0	7.8	16.0	208.0	5-20-54
38.2714	76.4283	037	124NNJM	SM DF 39	23.0	9.2	17.0	14.0	173.0	8.2	2.6	53.0	--	--	0.10	--	0.6	295.0	8.2	--	212.0	4-12-57
38.2714	76.4283	037	124NNJM	SM DF 39	23.0	9.3	18.0	16.0	171.0	9.0	3.0	49.0	--	--	0.20	--	0.6	294.0	7.8	--	212.0	6- 9-58
38.2764	76.4617	037	124NNJM	SM DF 6	30.0	12.0	6.0	12.0	172.0	6.8	2.2	61.0	--	100.0	--	0.05	0.4	289.0	7.8	--	--	6- 9-58
38.2764	76.4617	037	124NNJM	SM DF 6	31.0	12.0	3.0	11.0	172.0	7.1	3.2	71.0	--	--	0.20	0.30	0.4	282.0	8.1	--	--	4-12-57
38.2764	76.4617	037	124NNJM	SM DF 6	30.0	14.0	4.6	10.0	174.0	7.5	3.9	61.0	--	--	0.20	--	0.3	286.0	8.0	17.8	218.0	11-27-51
38.2764	76.4617	037	124NNJM	SM DF 6	30.0	14.0	3.9	8.9	170.0	8.0	3.9	56.0	--	--	0.10	0.05	0.4	285.0	7.9	16.7	--	5-19-54
38.2764	76.4617	037	124NNJM	SM DF 6	30.0	14.0	3.6	3.6	170.0	8.0	3.0	63.0	--	--	0.10	0.10	0.4	285.0	8.1	--	--	3-13-56
38.2828	76.4322	037	124NNJM	SM DF 9	23.0	11.0	15.0	13.0	177.0	5.8	3.5	52.0	--	--	0.10	0.05	0.3	298.0	7.4	--	--	6- 3-58
38.2828	76.4322	037	124NNJM	SM DF 9	21.0	12.0	17.0	14.0	184.0	7.0	3.7	48.0	--	--	0.10	0.05	0.5	290.0	7.9	16.1	--	5-18-54
38.2828	76.4322	037	124NNJM	SM DF 9	22.0	11.0	18.0	15.0	177.0	6.4	3.3	61.0	--	--	0.20	0.10	0.5	296.0	8.2	--	--	4-12-57
38.2828	76.4322	037	124NNJM	SM DF 9	21.0	12.0	18.0	12.0	178.0	7.2	3.5	54.0	--	--	0.50	--	0.4	295.0	7.9	15.0	214.0	11- 6-51
38.2828	76.4322	037	124NNJM	SM DF 9	21.0	13.0	17.0	14.0	177.1	7.8	3.2	55.0	--	--	0.30	--	0.5	298.0	8.3	16.1	--	1-16-47
38.2828	76.4322	037	124NNJM	SM DF 9	21.0	11.0	17.0	14.0	180.0	6.6	3.5	55.0	--	--	0.10	0.40	0.4	296.0	8.1	--	--	3-14-56
38.2828	76.4322	037	124NNJM	SM DF 9	22.0	12.0	16.0	15.0	175.0	7.0	3.0	55.0	--	--	--	0.02	--	295.0	7.8	--	216.0	6-24-62
38.2886	76.4467	037	124NNJM	SM DF 14	22.0	9.6	20.0	13.0	171.0	7.2	3.8	50.0	--	--	0.20	0.05	0.6	291.0	7.7	--	--	6- 9-58
38.2886	76.4467	037	124NNJM	SM DF 14	22.0	11.0	13.0	12.0	167.0	7.6	1.6	56.0	--	--	0.10	0.05	0.3	283.0	7.9	--	--	3-20-56
38.2886	76.4467	037	124NNJM	SM DF 14	22.0	11.0	17.0	14.0	172.0	6.6	3.4	56.0	--	--	--	0.03	--	289.0	7.8	--	--	6-24-62
38.2886	76.4467	037	124NNJM	SM DF 14	22.0	12.0	14.0	12.0	174.0	7.8	3.8	48.0	--	--	0.20	0.05	0.4	279.0	8.1	17.8	--	5-19-54
38.2886	76.4467	037	124NNJM	SM DF 14	22.0	12.0	17.0	12.0	175.0	6.8	2.9	56.0	--	--	--	--	0.3	288.0	8.0	18.3	215.0	11-27-51
38.2886	76.4467	037	124NNJM	SM DF 14	27.0	8.7	11.0	12.0	170.0	6.4	2.4	55.0	--	100.0	0.40	0.05	0.5	290.0	7.8	--	--	4-12-57
38.2894	76.5489	037	124NNJM	SM DE 33 67 199	26.0	13.0	6.3	17.0	174.2	6.0	3.1	36.0	--	--	0.10	0.06	0.3	370.0	8.4	15.6	194.0	5-22-67
38.2897	76.6328	037	124NNJM	SM DG 5	22.0	9.8	14.0	6.9	162.0	9.2	3.9	32.0	--	1000.0	0.40	--	0.2	282.0	8.0	--	179.0	3- 9-49
38.2914	76.4539	037	124NNJM	SM DF 38	27.0	14.0	7.7	12.0	179.0	6.8	2.8	60.0	--	--	0.10	--	0.3	284.0	8.0	--	219.0	11-27-51
38.2914	76.4539	037	124NNJM	SM DF 38	27.0	13.0	5.5	13.0	176.0	6.5	2.7	71.0	--	100.0	0.20	0.05	0.4	293.0	8.1	--	--	4-12-57
38.2914	76.4539	037	124NNJM	SM DF 38	27.0	14.0	8.2	13.0	176.0	8.0	3.5	54.0	--	--	0.10	0.05	0.3	290.0	7.7	16.7	--	5-19-54
38.2914	76.4539	037	124NNJM	SM DF 38	28.0	12.0	8.0	14.0	175.0	6.0	2.5	55.0	--	--	0.20	0.05	0.5	296.0	7.8	--	--	6- 9-58
38.2914	76.4539	037	124NNJM	SM DF 38	25.0	9.0	25.0	6.6	191.0	5.5	2.9	59.0	--	100.0	0.10	0.05	0.5	296.0	7.9	--	--	8-13-59
38.2914	76.4539	037	124NNJM	SM DF 38	27.0	13.0	7.4	12.0	178.0	8.2	2.7	62.0	--	--	0.20	1.90	0.4	290.0	8.1	--	--	3-14-56
38.2917	76.4053	037	124NNJM	SM DG 8 13246	21.0	11.0	19.0	16.0	180.0	5.2	3.5	50.0	--	--	0.20	0.05	0.5	306.0	7.9	--	--	6- 9-58
38.2917	76.4053	037	124NNJM	SM DG 8 13246	20.0	12.0	18.0	15.0	184.0	7.6	2.3	55.0	--	--	0.10	0.05	0.3	330.0	8.0	--	--	3-20-56
38.2917	76.4053	037	124NNJM	SM DG 8 13246	21.0	11.0	17.0	15.0	186.0	6.0	2.8	54.0	--	100.0	0.10	0.05	0.4	306.0	8.2	--	--	4-12-57
38.2917	76.4053	037	124NNJM	SM DG 8 13246	20.0	12.0	21.0	14.0	188.0	7.0	3.3	49.0	--	100.0	--	0.05	0.4	304.0	8.0	16.1	--	5-24-54
38.3047	76.6578	037	124NNJM	SM DH 12	8.5	3.3	46.0	9.9	168.3	9.7	2.5	31.0	--	--	0.30	--	0.2	278.0	8.3	15.0	--	3-28-50
38.3092	76.5303	037	124NNJM	SM DE 32 67 64	31.0	13.0	2.2	6.0	165.1	7.6	2.1	59.0	--	--	--	--	0.2	262.0	8.4	15.6	202.0	5-19-67
38.3192	76.6872	037	124NNJM	SM DC 49 37947	24.0	9.2	10.0	14.0	153.0	8.4	1.9	45.0	--	--	--	--	0.2	260.0	8.2	16.1	188.0	5-18-67
38.3375	76.5569	037	124NNJM	SM CE 14 4052	27.0	15.0	9.0	17.0	182.1	14.0	2.5	33.0	--	--	0.60	--	0.3	318.0	7.8	--	208.0	3-28-50
38.3383	76.5594	037	124NNJM	SM CE 20 7338	26.0	13.0	8.5	17.0	175.0	14.0	1.8	34.0	--	--	0.50	--	0.3	298.0	8.2	16.7	201.0	5-19-67
38.3658	76.5897	037	124NNJM	SM CD 16 65 223	34.0	15.0	6.1	12.0	160.0	40.0	2.2	43.0	--	--	0.10	0.09	0.3	324.0	8.2	15.0	232.0	5-22-67
38.3872	76.5644	037	124NNJM	SM CE 27 65 116	29.0	14.0	5.3	15.0	136.0	29.0	1.8	34.0	--	--	0.20	--	0.1	308.0	7.9	15.6	205.0	5-24-67
38.3944	76.6467	037	124NNJM	SM CD 20 67 152	27.0	8.8	3.4	7.9	135.1	10.0	1.4	44.0	--	--	--	0.05	0.1	228.0	8.5	16.1	169.0	5-16-67
38.4133	76.6097	037	124NNJM	SM CD 1 2536	23.0	11.0	5.5	3.0	142.0	8.7	3.0	43.0	--	1400.0	0.30	--	0.2	255.0	7.9	15.0	169.0	3- 9-49
38.4489	76.7533	037	124NNJM	SM BB 13 65 160	28.0	13.0	4.7	13.0	168.1	11.0	1.4	43.0	--	--	0.10	--	0.2	275.0	8.3	15.6	197.0	5-16-67
38.1083	76.3497	037	124PNPN	SM FG 4	4.5	2.4	159.0	10.0	457.9	3.6	9.8	24.0	--	--	0.80	--	1.4	712.0	8.3	14.5	441.0	3- 7-50
38.2769	76.4917	037	124PNPN	SM DF 53 34292	28.0	13.0	7.9	11.0	179.2	6.4	2.3	57.0	--	--	--	--	0.2	281.0	8.3	16.7	214.0	5-19-67
38.4772	76.7836	037	124PNPN	SM BB 22 733787	30.0	9.9	4.4	9.6	158.5	18.0	2.1	29.0	340.0	--	--	--	0.3	296.0	7.9	19.0	182.0	7- 1-80
38.1219	76.4217	037	125AQUI	SM FF 36 731478	3.9	0.2	120.0	4.3	305.0	14.0	2.5	12.0	--	--	--	--	0.8	--	8.7	21.0	308.0	10-29-75

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier		Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.1425	76.5100	037	125AQUI	SM FE 21		4.2	1.3	107.0	7.6	295.3	9.0	3.5	12.0	--	100.0	0.40	--	0.7	472.0	8.6	7.2^{2,3}	--	12-13-50
38.1428	76.5097	037	125AQUI	SM FE 31	733088	3.0	1.2	110.0	9.5	310.0	11.0	2.4	12.0	130.0	--	--	--	0.8	510.0	-	--	303.0	10-18-78
38.1444	76.5078	037	125AQUI	SM FE 1		2.8	1.5	101.0	6.0	286.3	9.5	5.0	12.0	--	--	0.40	--	0.9	460.0	8.6	17.8	--	1-16-47
38.1483	76.4367	037	125AQUI	SM FF 21		2.6	0.4	121.0	7.2	342.3	11.0	2.5	12.0	--	--	0.10	0.20	0.8	546.0	8.6	--	--	3-29-56
38.1483	76.4367	037	125AQUI	SM FF 21		3.4	1.8	122.0	6.0	346.2	12.0	4.3	13.0	--	--	0.20	0.20	1.1	537.0	8.5	16.1	--	5-18-54
38.1483	76.4367	037	125AQUI	SM FF 21		3.5	1.3	123.0	8.1	345.3	10.0	3.1	12.0	--	100.0	0.80	0.20	1.2	547.0	8.6	--	--	4-12-57
38.1483	76.4367	037	125AQUI	SM FF 21		3.7	1.1	124.0	8.0	345.4	13.0	2.6	13.0	--	--	0.80	0.40	1.1	559.0	8.6	--	--	6-10-58
38.1550	76.4278	037	125AQUI	SM FF 35	731496	3.0	1.9	140.0	7.8	367.0	13.0	2.4	11.0	--	--	--	--	1.5	--	8.4	19.0	362.0	8-19-75
38.1881	76.4342	037	125AQUI	SM EF 4		1.0	0.7	70.0	3.5	188.2	7.7	2.8	13.0	--	--	0.20	--	0.6	308.0	8.4	19.5	192.0	1-16-47
38.1906	76.5117	037	125AQUI	SM EE 34	50219	2.8	1.3	92.0	6.6	258.2	7.8	2.4	10.0	--	--	0.10	0.23	0.8	408.0	8.4	18.3	251.0	5-18-67
38.2167	76.4603	037	125AQUI	SM EF 17		2.9	1.1	81.0	6.2	227.0	6.0	2.0	11.0	--	--	0.10	0.33	0.4	340.0	8.0	18.9	223.0	5-25-67
38.2256	76.7561	037	125AQUI	SM EB 19	66 157	3.2	1.4	113.0	7.7	312.2	6.8	2.0	11.0	--	--	0.10	0.19	1.1	479.0	8.4	16.7	300.0	5-18-67
38.2633	76.4558	037	125AQUI	SM DF 22	00442	2.3	0.9	81.0	7.4	217.0	11.0	2.0	11.0	--	--	0.50	0.14	0.5	359.0	8.0	--	223.0	6-10-66
38.2644	76.4472	037	125AQUI	SM DF 1		2.4	1.0	76.0	9.0	211.3	5.5	2.5	12.0	--	--	0.20	--	0.5	316.0	8.5	16.7	213.0	10-29-51
38.2644	76.4472	037	125AQUI	SM DF 1		3.0	1.2	73.0	6.1	212.3	9.6	2.7	12.0	--	--	0.10	0.20	0.6	336.0	8.8	18.9	--	5-18-54
38.2644	76.4472	037	125AQUI	SM DF 1		3.2	0.8	73.0	6.9	209.3	5.8	2.8	12.0	--	--	0.50	0.10	0.6	342.0	8.8	--	--	4-12-57
38.2644	76.4472	037	125AQUI	SM DF 1		2.5	0.7	73.0	7.3	213.3	9.4	2.5	13.0	--	--	0.10	0.70	0.5	341.0	8.8	--	--	3-13-56
38.2644	76.4472	037	125AQUI	SM DF 1		1.7	0.3	70.0	7.8	213.0	6.0	3.0	12.0	--	--	0.10	0.20	0.5	337.0	8.0	--	--	6- 2-58
38.2644	76.4472	037	125AQUI	SM DF 1		3.7	1.9	71.0	6.0	208.0	7.6	2.5	12.0	--	100.0	--	0.10	0.6	344.0	8.1	--	--	8-13-59
38.2644	76.4472	037	125AQUI	SM DF 1		3.4	0.6	76.0	7.9	211.3	6.4	2.5	12.0	--	--	--	0.20	0.2	344.0	8.7	--	213.0	6-24-62
38.2661	76.7411	037	125AQUI	SM DC 17	1717	4.2	0.8	75.0	7.2	200.0	8.0	9.2	12.0	--	--	0.70	0.30	0.3	340.0	8.2	--	216.0	4- 2-52
38.2689	76.4069	037	125AQUI	SM DG 1		3.2	1.2	70.0	5.7	205.2	3.3	2.2	12.0	--	--	--	0.10	0.6	334.0	8.3	--	--	8-11-59
38.2689	76.4069	037	125AQUI	SM DG 1		2.8	1.6	76.0	7.0	211.2	6.0	4.2	12.0	--	--	0.30	--	0.4	325.0	8.5	18.9	214.0	11-21-51
38.2689	76.4069	037	125AQUI	SM DG 1		5.0	0.4	73.0	7.0	204.0	6.2	3.0	11.0	--	--	--	0.15	0.5	331.0	7.7	--	--	9-30-62
38.2689	76.4069	037	125AQUI	SM DG 1		3.1	1.2	71.0	6.3	207.1	6.6	2.5	13.0	--	--	0.60	0.20	0.5	331.0	8.4	18.3	--	5-20-54
38.2589	76.4069	037	125AQUI	SM DG 1		3.4	1.0	68.0	6.7	204.3	5.8	1.8	12.0	--	--	0.30	0.40	0.4	326.0	8.7	--	--	3-15-56
38.2689	76.4069	037	125AQUI	SM DG 1		3.5	0.7	70.0	6.7	207.3	5.6	2.2	13.0	--	--	0.40	0.20	0.5	332.0	8.7	--	205.0	4- 9-57
38.2708	76.4506	037	125AQUI	SM DF 3		7.5	2.3	63.0	7.7	196.1	7.0	3.5	18.0	--	--	0.20	0.17	0.7	323.0	8.4	--	207.0	6-24-62
38.2708	76.4506	037	125AQUI	SM DF 3		3.2	0.7	72.0	9.0	200.2	6.5	2.8	12.0	--	--	0.20	--	0.4	301.0	8.6	16.7	--	10-29-51
38.2708	76.4506	037	125AQUI	SM DF 3		2.7	0.5	69.0	6.7	200.5	6.0	3.0	13.0	--	--	0.10	1.50	0.5	324.0	8.9	--	--	4- 9-57
38.2708	76.4506	037	125AQUI	SM DF 3		2.8	0.9	69.0	9.9	199.3	4.3	2.6	14.0	--	--	0.20	0.30	1.0	331.0	8.6	--	--	8- 5-59
38.2708	76.4506	037	125AQUI	SM DF 3		2.0	1.6	69.0	6.1	206.4	7.0	3.0	11.0	--	--	0.10	0.30	1.4	331.0	8.6	--	--	6- 2-58
38.2708	76.4506	037	125AQUI	SM DF 3		2.9	1.0	68.0	5.6	202.4	6.6	3.6	11.0	--	--	0.10	0.20	0.5	324.0	8.9	16.1	--	5-18-54
38.2708	76.4506	037	125AQUI	SM DF 3		2.5	0.4	69.0	6.4	200.3	6.6	1.7	13.0	--	--	--	0.60	0.5	323.0	8.8	--	--	3-13-56
38.2711	76.6131	037	125AQUI	SM DD 49	733081	4.4	0.6	54.0	9.6	160.0	7.8	2.1	11.0	80.0	--	--	--	0.2	275.0	-	--	169.0	10-20-78
38.2728	76.3983	037	125AQUI	SM DG 3		2.8	1.2	68.0	8.1	211.8	7.2	3.0	12.0	--	--	0.20	--	0.6	344.0	8.3	--	207.0	6- 4-58
38.2728	76.3983	037	125AQUI	SM DG 3		4.1	1.5	69.0	7.5	210.3	4.9	2.0	12.0	--	--	0.05	--	0.6	345.0	8.5	--	205.0	8-11-59
38.2728	76.3983	037	125AQUI	SM DG 3		4.2	1.4	71.0	7.0	210.5	6.6	2.2	14.0	--	--	0.20	--	0.5	344.0	8.6	--	211.0	4- 9-57
38.2728	76.3983	037	125AQUI	SM DG 3		3.5	1.7	74.0	6.4	214.1	7.4	3.8	12.0	--	--	0.05	--	0.6	342.0	8.5	19.0	215.0	5-20-54
38.2728	76.3983	037	125AQUI	SM DG 3		3.4	0.9	70.0	6.6	211.8	7.6	1.8	12.0	--	--	0.20	--	0.4	337.0	8.6	--	207.0	3-15-56
38.2797	76.4236	037	125AQUI	SM DF 43		3.6	0.7	71.0	6.5	209.4	2.4	2.6	12.0	--	--	0.10	0.20	0.6	342.0	8.9	--	--	4- 8-57
38.2797	76.4236	037	125AQUI	SM DF 43		2.7	2.0	73.0	7.3	208.3	6.8	3.3	13.0	--	100.0	8.00	1.50	0.5	333.0	8.8	--	221.0	6-18-56
38.2797	76.4236	037	125AQUI	SM DF 43		5.1	2.2	70.0	12.0	206.0	2.7	2.4	12.0	--	--	0.10	0.10	0.5	338.0	7.8	--	--	8-13-59
38.2797	76.4236	037	125AQUI	SM DF 43		2.5	0.3	70.0	7.1	205.3	6.0	2.8	12.0	--	--	0.10	1.10	0.5	331.0	8.8	--	--	3-14-56
38.2797	76.4236	037	125AQUI	SM DF 43		2.4	0.4	70.0	7.4	213.0	6.2	3.0	12.0	--	--	--	0.20	0.5	334.0	7.9	--	--	6- 3-58
38.2875	76.4378	037	125AQUI	SM DF 10		3.4	0.5	69.0	6.4	196.3	10.0	3.0	13.0	--	--	0.10	0.50	0.4	313.0	8.8	--	--	3-14-56
38.2875	76.4378	037	125AQUI	SM DF 10		2.8	1.4	65.0	5.7	193.3	7.3	2.8	13.0	--	--	0.40	--	0.5	313.0	8.7	--	--	1-16-47
38.2875	76.4378	037	125AQUI	SM DF 10		3.0	1.1	70.0	5.3	192.0	6.2	2.8	13.0	--	--	0.20	--	0.4	292.0	7.8	16.1	196.0	11- 6-51
38.2875	76.4378	037	125AQUI	SM DF 10		2.9	0.8	68.0	5.6	196.3	10.0	3.2	7.2	--	--	0.10	0.20	0.5	311.0	8.8	18.3	--	5-19-54
38.2875	76.4378	037	125AQUI	SM DF 10		2.9	1.1	68.0	1.9	193.3	4.1	2.1	13.0	--	100.0	--	0.20	0.5	317.0	8.5	--	190.0	8- 5-59
38.2875	76.4378	037	125AQUI	SM DF 10		3.3	1.1	67.0	5.9	196.5	6.6	1.9	13.0	--	--	0.10	0.30	0.6	323.0	8.9	--	--	4- 8-57
38.2875	76.4378	037	125AQUI	SM DF 10		2.6	1.1	63.0	7.4	193.0	5.8	3.2	12.0	--	--	0.10	0.20	0.3	314.0	7.7	--	--	6- 3-58
38.2875	76.4378	037	125AQUI	SM DF 10		16.0	6.4	39.0	12.0	182.0	7.4	3.0	18.0	--	--	--	0.08	--	305.0	7.8	--	191.0	6-24-62
38.2897	76.6317	037	125AQUI	SM DD 30	57480	4.4	1.1	42.0	6.6	124.0	8.8	1.3	10.0	--	--	0.20	0.14	0.2	221.0	8.2	--	136.0	8- 2-67
38.2958	76.6367	037	125AQUI	SM DD 1	441	3.6	1.1	49.0	1.9	136.0	8.9	2.5	10.0	--	4200.0	0.60	--	--	236.0	8.5	17.2	149.0	3- 9-49
38.3014	76.3825	037	125AQUI	SM DG 5		3.7	1.0	67.0	6.4	197.2	5.8	2.4	16.0	--	--	0.10	0.30	0.5	317.0	8.5	--	--	4- 9-57
38.3014	76.3825	037	125AQUI	SM DG 5		3.5	1.5	67.0	6.4	196.0	7.0	3.9	11.0	--	--	--	0.20	0.6	315.0	8.1	16.7	--	5-19-54
38.3014	76.3825	037	125AQUI	SM DG 5		3.4	1.4	62.0	6.6	195.2	6.0	2.2	12.0	--	--	0.20	0.30	0.4	314.0	8.6	--	--	3-15-56
38.3014	76.3825	037	125AQUI	SM DG 5		3.8	2.6	72.0	8.0	212.2	5.0	3.2	12.0	--	--	0.30	--	0.4	319.0	8.6	18.9	212.0	11-21-51
38.3014	76.3825	037	125AQUI	SM DG 5		2.9	0.6	64.0	7.4	197.0	5.6	2.8	11.0	--	--	0.10	0.20	0.8	317.0	7.7	--	--	6- 4-58

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier				Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.3019	76.6333	037	125AQUI	SM	DD	50	733082	10.0	1.5	43.0	6.0	140.0	9.5	1.9	9.8	840.0	--	--	--	0.2	243.0	-	--	152.0	10-26-78
38.3033	76.3919	037	125AQUI	SM	DG	6		4.2	0.9	65.0	6.3	196.3	5.4	2.5	12.0	--	--	0.20	0.20	0.5	317.0	8.6	--	--	4- 9-57
38.3033	76.3919	037	125AQUI	SM	DG	6		3.0	1.2	62.0	8.6	191.0	5.4	2.6	11.0	--	--	0.10	0.20	0.3	311.0	7.8	--	--	6- 4-58
38.3033	76.3919	037	125AQUI	SM	DG	6		4.2	1.9	63.0	7.2	198.3	6.8	2.3	15.0	--	--	0.30	0.50	0.4	318.0	8.7	--	--	3-15-56
38.3033	76.3919	037	125AQUI	SM	DG	6		3.2	1.7	69.0	6.6	195.2	6.0	3.6	11.0	--	--	0.30	--	0.4	303.0	8.6	20.0	198.0	11-21-51
38.3033	76.3919	037	125AQUI	SM	DG	6		3.3	1.5	66.0	6.1	194.1	6.4	3.2	12.0	--	--	0.40	0.20	0.5	312.0	8.4	16.7	--	5-19-54
38.3033	76.7933	037	125AQUI	SM	DB	29		5.0	1.9	57.0	8.4	181.0	10.0	0.7	10.0	--	--	0.10	0.05	0.2	292.0	8.2	16.1	182.0	5-17-67
38.3208	76.5322	037	125AQUI	SM	DE	40	732379	4.7	1.5	34.0	9.2	110.0	8.4	5.7	11.0	100.0	--	--	--	0.1	240.0	7.8	18.0	129.0	9-19-77
38.3258	76.7208	037	125AQUI	SM	DC	12		17.0	7.7	31.0	13.0	181.2	7.9	2.5	50.0	--	--	0.40	--	0.4	304.0	7.9	11.0	219.0	3-28-50
38.3358	76.8367	037	125AQUI	SM	CA	7		2.8	0.7	60.0	5.1	170.7	7.9	1.0	12.0	10.0	--	--	--	0.3	283.0	8.9	18.0	174.0	8- 5-80
38.3436	76.5006	037	125AQUI	SM	CE	26	67 243	3.6	1.1	43.0	6.8	131.0	6.4	2.0	11.0	--	--	--	0.24	0.2	215.0	8.2	17.8	138.0	5-19-67
38.3667	76.7836	037	125AQUI	SM	CB	1		11.0	4.4	34.0	12.0	148.1	9.9	1.1	14.0	--	--	--	--	0.1	258.0	8.4	16.1	159.0	1-17-47
38.3728	76.5128	037	125AQUI	SM	CE	38	732030	3.3	1.0	40.0	7.3	114.6	6.4	2.0	12.0	1200.0	--	--	--	0.3	210.0	8.2	16.0	130.0	8- 7-80
38.3806	76.7169	037	125AQUI	SM	CC	11	24436	7.1	3.4	36.0	12.0	139.0	12.0	0.7	14.0	--	--	--	0.06	0.1	232.0	8.1	17.2	153.0	5-16-67
38.3831	76.8406	037	125AQUI	SM	CA	3	53849	7.6	3.8	38.0	12.0	149.1	11.0	0.7	14.0	--	--	--	0.02	0.1	240.0	8.3	17.8	161.0	5-17-67
38.4072	76.7786	037	125AQUI	SM	CB	19	731873	15.0	7.1	23.0	16.0	146.3	9.3	0.7	14.0	20.0	--	--	--	0.2	266.0	7.9	17.5	157.0	8- 5-80
38.4464	76.7433	037	125AQUI	SM	BC	16	65 169	21.0	11.0	11.0	16.0	162.0	11.0	0.6	13.0	--	--	0.20	--	0.1	270.0	8.0	17.8	164.0	5-16-67
38.4522	76.6658	037	125AQUI	SM	BD	1		15.0	8.7	18.0	15.0	140.3	10.0	1.2	13.0	--	--	0.20	--	0.1	251.0	8.5	17.8	--	1-17-47
38.4742	76.7525	037	125AQUI	SM	BD	4	1393	18.0	11.0	9.6	12.0	122.0	13.0	4.4	11.0	--	--	6.20	--	0.1	245.0	7.4	21.1	--	3-28-50
38.4853	76.6828	037	125AQUI	SM	BC	17	65 212	20.0	9.4	13.0	15.0	150.0	9.6	0.6	13.0	--	--	--	0.03	0.2	240.0	7.9	17.2	155.0	5-17-67
38.0503	76.3225	037	211CRCSU	SM	GH	1		1.8	0.5	132.0	6.9	341.0	21.0	2.6	12.0	--	--	0.60	--	0.9	563.0	8.6	--	346.0	3-18-47
38.0617	76.3347	037	211CRCSU	SM	GG	14	67 90	0.8	0.3	131.0	3.6	318.0	20.0	2.3	12.0	--	--	0.60	0.92	0.9	528.0	7.7	20.0	328.0	11-30-66
38.2022	75.6900	039	112PLSC	SO	BE	49		12.0	5.1	24.0	4.2	27.0	52.0	24.0	26.0	--	--	0.20	--	0.2	242.0	5.8	--	161.0	12- 8-52
37.9994	75.8453	039	122CPNK	SO	EC	33		31.0	31.0	1260.0	45.0	1200.0	62.0	1360.0	58.0	--	--	0.70	--	0.7	5780.0	7.6	--	3440.0	12- 8-52
38.1994	75.6844	039	122MNKN	SO	BE	14	5410	13.0	4.7	153.0	10.0	372.0	18.0	62.0	14.0	--	--	0.30	--	0.4	784.0	8.2	--	458.0	12- 8-52
38.0106	75.8194	039	122YRKN	SO	DD	29		40.0	39.0	273.0	26.0	470.0	162.0	278.0	15.0	--	--	2.10	--	0.2	1010.0	7.9	--	1070.0	12- 8-52
37.9828	75.8444	039	125PLCN	SO	EC	1		1.8	0.9	437.0	8.0	910.7	65.0	100.0	13.0	--	--	1.80	--	5.6	1720.0	8.5	--	1080.0	10-19-51
37.9828	75.8444	039	125PLCN	SO	EC	1		2.4	1.1	418.0	8.0	867.0	58.0	122.0	11.0	--	--	0.80	--	4.6	1740.0	7.9	--	1050.0	10-19-66
38.0094	75.8439	039	210CRCS	SO	DC	3	67 7	2.6	0.6	252.0	6.7	537.0	44.0	55.0	12.0	--	--	0.30	--	1.8	1000.0	8.1	23.5	640.0	10-21-66
38.0094	75.8439	039	210CRCS	SO	DC	3	67 7	6.9	0.4	240.0	65.0	520.5	56.0	110.0	14.0	--	--	0.05	--	1.6	1220.0	8.6	27.0	750.0	10-26-66
38.0094	75.8439	039	210CRCS	SO	DC	3	67 7	1.0	0.3	250.0	6.4	546.5	43.0	42.0	13.0	--	--	0.05	--	1.2	972.0	8.4	28.0	626.0	11- 2-66
38.0094	75.8439	039	210CRCS	SO	DC	3	67 7	0.8	0.5	244.0	5.0	532.4	43.0	41.0	12.0	--	--	0.40	--	2.1	982.0	8.5	27.5	611.0	12-21-70
37.9761	75.8619	039	211MGTY	SO	EC	3		0.5	1.2	294.0	3.0	586.4	51.0	70.0	14.0	--	--	1.30	--	2.2	1160.0	8.5	26.0	726.0	10-19-51
37.9822	75.8600	039	211MGTY	SO	EC	4		0.5	0.9	290.0	4.4	581.4	56.0	72.0	14.0	--	--	0.20	--	1.8	1170.0	8.5	27.0	726.0	10-19-51
37.9728	76.0008	039	217NNMR	SO	EA	11		0.8	0.3	179.0	4.0	429.4	39.0	11.0	13.0	--	--	0.05	--	2.0	767.0	8.6	--	461.0	2- 6-70
38.0094	75.8433	039	217NNMR	SO	DC	4		0.8	0.5	244.0	5.0	532.4	43.0	41.0	12.0	--	--	0.40	--	2.1	982.0	8.5	27.5	611.0	12-21-70
38.1061	75.8500	039	217NNMR	SO	CC	7	70 43	1.4	0.7	298.0	7.0	774.9	24.0	6.2	12.0	--	--	0.40	--	5.2	1240.0	8.5	24.5	737.0	4- 3-70
38.1014	75.8100	039	217PTMC	SO	CD	41	731425	1.7	0.5	240.0	7.4	620.0	27.0	8.1	11.0	80.0	--	--	--	2.6	1000.0	8.3	--	604.0	5-29-79
38.1014	75.8100	039	217PTMC	SO	CD	41	731425	1.6	0.6	260.0	5.8	620.0	27.0	7.7	12.0	--	--	--	--	2.6	1000.0	8.3	--	623.0	5-29-79
38.0158	75.8256	039	217PTXN	SO	DD	47	79 001	6900.0	470.0	19000.0	120.0	35.4	1000.0	41000.0	15.0	8700.0	--	--	--	0.5	88400.0	6.7	36.0	68800.0	7- 5-79
38.0158	75.8256	039	217PTXN	SO	DD	47	79 001	7100.0	510.0	21000.0	60.0	50.0	820.0	42000.0	17.0	7200.0	--	--	--	0.7	90000.0	6.3	52.0	71900.0	6-28-79
38.0158	75.8256	039	217PTXN	SO	DD	47	79 001	7200.0	490.0	18000.0	62.0	50.0	870.0	42000.0	16.0	25000.0	--	--	--	0.8	90000.0	6.7	42.0	69000.0	6-23-79
38.6069	76.0003	041	122CLVR	TA	EE	34		33.0	17.0	74.0	12.0	370.0	4.2	9.1	63.0	--	--	0.50	--	0.2	571.0	8.0	16.1	395.0	9-23-65
38.6828	75.9772	041	122CLVR	TA	DF	4	65 80	21.0	10.0	64.0	5.7	278.0	6.2	2.1	61.0	--	--	0.10	--	0.7	418.0	7.9	16.7	308.0	9-23-65
38.7272	76.0681	041	122CLVR	TA	DE	15	65 89	32.0	16.0	3.6	2.8	180.0	5.0	2.5	57.0	--	--	--	--	0.2	281.0	7.5	16.1	208.0	9-17-65
38.7564	76.0583	041	122CLVR	TA	CE	66	65 158	56.0	7.2	11.0	6.3	224.4	9.7	2.0	55.0	--	--	0.10	--	0.3	347.0	8.5	16.1	258.0	9-14-65
38.7772	76.0772	041	122CLVR	TA	CE	2		36.0	15.0	27.0	5.9	242.0	6.9	2.8	56.0	--	--	0.30	--	0.5	394.0	7.5	15.0	--	10- 7-48
38.9167	75.9500	041	122CLVR	TA	AF	5		22.0	11.0	30.0	9.8	207.0	2.0	2.1	51.0	--	--	1.00	--	0.4	363.0	8.1	11.5	231.0	12-21-54
38.7703	76.0522	041	122CPNK	TA	CE	64	48272	72.0	4.0	4.5	1.1	225.0	8.5	9.5	30.0	--	--	--	--	0.2	373.0	7.9	15.0	241.0	9-17-65
38.6200	76.0506	041	124PNPN	TA	EE	31	65 144	7.3	4.4	174.0	9.2	481.1	7.2	4.6	28.0	--	--	0.20	--	1.1	717.0	8.3	17.8	473.0	9-23-65
38.6592	76.0322	041	124PNPN	TA	EE	30	65 135	16.0	1.0	75.0	8.2	246.0	12.0	1.1	40.0	--	--	0.10	--	0.7	392.0	7.8	17.8	275.0	9-22-65
38.6956	76.0628	041	124PNPN	TA	DE	17	65 175	20.0	9.7	25.0	8.9	182.0	8.1	0.7	53.0	--	--	--	--	0.4	286.0	7.9	17.8	215.0	9-17-65
38.7031	76.0417	041	124PNPN	TA	DE	12	5694	45.0	7.7	3.7	2.8	171.0	8.5	2.6	60.0	--	--	0.10	--	0.2	277.0	7.8	18.3	215.0	9-15-65
38.7411	76.1789	041	124PNPN	TA	DC	53	32892	12.0	7.8	99.0	15.0	311.0	3.4	21.0	15.0	--	--	0.30	--	1.0	533.0	7.9	16.1	328.0	10-26-65
38.7478	76.0208	041	124PNPN	TA	DE	13	46763	45.0	19.0	9.2	8.6	265.0	5.4	0.8	52.0	--	--	--	--	0.3	395.0	7.8	17.2	272.0	9-17-65
38.7694	76.2708	041	124PNPN	TA	CB	92	32955	32.0	33.0	7.2	22.0	306.0	--	3.6	29.0	--	--	--	--	0.3	464.0	8.0	14.4	279.0	10-26-65
38.7822	76.1053	041	124PNPN	TA	CD	52	65 12	5.8	4.1	114.0	11.0	334.0	1.6	15.0	16.0	--	--	1.30	--	0.9	540.0	8.0	15.6	335.0	11-22-65
38.7994	76.0889	041	124PNPN	TA	CD	2		40.0	11.0	6.5	3.4	171.0	15.0	6.9	46.0	--	--	--	--	0.3	310.0	7.9	14.4	214.0	10-14-65
38.8253	75.9222	041	124PNPN	TA	CF	22	730798	1.1	2.1	220.0	6.6	590.0	6.9	3.0	28.0	190.0	--	--	--	1.7	--	-	--	560.0	6-22-77
38.8397	76.1594	041	124PNPN	TA	BD	21	8513	26.0	12.0	67.0	10.0	325.0	6.2	3.2	48.0	--	200.0	0.60	0.10	0.6	494.0	8.0	13.9	336.0	2- 4-55

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.8517	76.0175	041	124PNPN	TA DE 79 29643	19.0	16.0	32.0	9.2	232.0	4.3	2.2	53.0	--	--	0.40	--	0.3	353.0	7.8	17.2	251.0	9-17-65
38.8875	75.9836	041	124PNPN	TA BF 79	2.8	0.5	140.0	8.0	366.0	8.4	1.5	37.0	--	--	0.90	--	1.3	574.0	8.2	--	381.0	6- 3-71
38.6825	76.1722	041	125AQUI	TA DC 2 3172	6.6	0.9	136.0	8.4	368.0	12.0	13.0	14.0	--	--	--	--	1.6	607.0	8.0	20.0	374.0	3- 3-65
38.7075	76.3331	041	125AQUI	TA DB 38 5555	24.0	12.0	10.0	14.0	176.0	3.5	1.5	14.0	--	--	0.20	--	0.2	281.0	7.8	16.7	167.0	4- 9-65
38.7122	76.2106	041	125AQUI	TA DC 52 66 41	10.0	5.6	70.0	12.0	181.0	9.8	36.0	13.0	--	--	--	--	0.4	406.0	7.6	16.1	245.0	10-26-65
38.7211	76.0958	041	125AQUI	TA DD 53 53609	3.2	1.5	245.0	9.2	626.9	11.0	1.6	14.0	--	--	0.30	--	4.2	915.0	8.4	20.6	599.0	9-24-65
38.7319	76.2792	041	125AQUI	TA DB 61	22.0	10.0	16.0	14.0	171.0	7.4	1.7	12.0	--	--	0.70	--	0.3	281.0	7.7	16.7	168.0	10-26-65
38.7506	76.1772	041	125AQUI	TA CC 33 66 56	5.7	3.9	126.0	11.0	308.0	11.0	32.0	14.0	--	--	0.30	--	0.7	569.0	8.0	17.8	356.0	10-26-65
38.7772	76.0772	041	125AQUI	TA CE 50 8836	4.0	2.4	196.0	8.6	550.0	12.0	2.1	14.0	--	--	--	--	1.7	838.0	8.1	20.6	513.0	4- 1-65
38.7825	76.2283	041	125AQUI	TA CC 29	12.0	7.6	88.0	15.0	232.2	8.4	48.0	12.0	--	--	0.50	--	0.5	536.0	8.5	17.0	306.0	8- 2-67
38.7825	76.2283	041	125AQUI	TA CC 29	13.0	6.7	86.0	14.0	232.1	9.6	54.0	12.0	--	--	0.80	0.20	0.3	536.0	8.4	17.2	--	2-10-54
38.8017	76.1633	041	125AQUI	TA CD 48 65 38	7.7	7.1	151.0	12.0	392.2	12.0	35.0	13.0	--	--	--	--	1.4	702.0	8.4	16.1	432.0	10-28-65
38.8389	76.2778	041	125AQUI	TA BB 4 65 133	41.0	17.0	48.0	13.0	264.0	3.8	53.0	19.0	--	--	--	--	0.2	559.0	7.8	15.6	325.0	9-24-65
38.8417	76.1883	041	125AQUI	TA BC 4 844	10.0	6.8	115.0	16.0	351.0	4.5	22.0	15.0	--	--	1.40	0.10	0.5	595.0	8.1	15.6	365.0	2- 4-55
38.8922	76.0781	041	125AQUI	TA BE 6	12.0	5.8	134.0	16.0	432.4	4.9	6.0	16.0	--	--	2.10	0.05	1.4	657.0	8.5	16.7	411.0	2- 4-55
38.9264	76.0917	041	125AQUI	TA AD 5 65 37	13.0	3.8	56.0	9.8	213.0	2.5	1.1	11.0	--	--	0.10	--	1.9	332.0	7.7	17.2	204.0	9-22-65
38.7747	76.0775	041	211MGTY	TA CE 5 2261	2.4	2.0	30.0	2.2	80.0	15.0	2.5	9.5	--	300.0	1.60	--	0.2	168.0	7.5	25.6	105.0	3-11-49
38.7789	76.0794	041	211MGTY	TA CE 60 37628	6.0	1.2	81.0	9.4	234.0	12.0	1.6	12.0	--	--	--	--	0.8	379.0	7.6	23.9	239.0	4- 1-65
38.7944	76.0667	041	211MGTY	TA CE 67 56 12	4.0	2.4	81.0	7.0	232.0	13.0	1.6	12.0	--	--	--	--	0.2	363.0	7.5	24.4	235.0	9-16-65
38.8206	76.2922	041	211MGTY	TA CB 89 12546	15.0	5.8	3.4	4.2	56.0	26.0	2.0	7.7	--	--	0.20	0.05	0.2	145.0	6.7	20.6	--	8- 3-53
38.8206	76.2922	041	211MGTY	TA CB 89 12546	15.0	8.0	4.5	5.1	36.0	57.0	2.0	8.2	--	--	0.20	0.05	0.1	177.0	6.3	20.6	--	8- 3-53
38.7772	76.0772	041	211MTWN	TA CE 3	4.8	1.2	81.0	1.8	210.0	15.0	2.5	14.0	--	1000.0	1.80	--	0.9	377.0	8.2	23.3	227.0	3-18-49
38.7772	76.0772	041	211MTWN	TA CE 3	4.1	2.2	72.0	6.9	211.0	12.0	2.2	13.0	--	--	0.90	--	0.6	362.0	7.8	24.4	--	10- 6-46
38.3639	75.5892	045	112PCPC	WI CE 13	6.5	1.7	12.0	1.7	32.9	4.0	9.8	26.0	200.0	--	--	--	0.1	104.0	5.1	15.0	78.0	5-13-81
38.4214	75.0122	045	112PCPC	WI BF 70	4.6	2.2	13.0	2.3	1.2	11.0	25.0	8.0	9400.0	--	--	--	0.1	140.0	5.0	--	76.0	5-13-81
38.4214	75.5636	045	112PCPC	WI BF 69	6.5	2.7	8.9	1.5	50.0	6.5	5.0	24.0	6300.0	--	--	--	0.1	115.0	5.6	--	87.0	5-13-81
38.6283	75.5603	045	112PCPC	WI BF 64	2.1	0.5	7.2	1.3	21.9	1.1	6.0	27.0	10.0	--	--	--	0.1	48.0	4.6	15.7	56.0	5-12-81
38.4003	75.4689	045	112PLSC	WI CG 30	2.8	0.7	5.9	2.8	9.2	1.7	12.0	9.6	--	--	0.10	--	--	98.1	6.1	14.0	40.0	12-14-50
38.4150	75.4969	045	112PLSC	WI CG 32	4.1	1.0	1.6	3.3	12.0	1.3	7.6	6.4	--	--	2.20	--	--	76.6	6.3	13.0	33.0	12-14-50
38.3475	75.5672	045	112SLBR	WI CF 28	3.2	1.0	6.8	1.0	19.0	2.2	4.5	26.0	--	--	4.70	--	0.1	61.5	6.7	14.5	59.0	4-22-48
38.3581	75.5728	045	112SLBR	WI CF 160	4.0	1.0	8.6	1.7	24.0	0.6	7.4	24.0	--	--	13.00	--	--	96.0	6.4	--	72.0	3-27-63
38.3603	75.5764	045	112SLBR	WI CF 74	3.0	0.9	5.9	1.7	14.0	8.2	4.7	29.0	--	--	0.30	--	--	60.0	6.0	--	61.0	3-27-63
38.3603	75.5764	045	112SLBR	WI CF 74	18.0	0.7	5.8	1.4	62.0	8.8	3.3	32.0	--	--	0.05	--	--	129.0	6.9	--	101.0	1-24-63
38.3836	75.6342	045	112SLBR	WI CE 102	1.2	0.7	4.5	1.6	3.0	11.0	2.8	21.0	--	--	0.05	--	--	49.0	5.7	--	44.0	3-23-64
38.4094	75.5692	045	112SLBR	WI CF 129	3.7	1.2	8.2	1.1	25.0	0.4	5.5	30.0	--	--	4.20	--	--	78.0	6.4	15.5	67.0	3-23-64
38.4119	75.5981	045	112SLBR	WI CE 200	1.7	0.4	5.0	1.3	10.0	4.2	3.3	21.0	--	--	1.50	--	0.1	44.0	5.9	14.0	43.0	10- 3-67
38.4119	75.5981	045	112SLBR	WI CE 200	1.9	0.5	5.2	1.6	10.0	5.0	3.8	21.0	--	--	2.00	--	--	48.0	5.7	14.5	46.0	8- 1-67
38.4119	75.5981	045	112SLBR	WI CE 200	1.6	0.4	5.4	1.6	10.0	4.8	4.4	21.0	--	--	1.10	--	0.1	47.0	7.0	14.0	45.0	10-18-67
38.4642	75.7475	045	122CLVR	WI BD 11	12.0	4.6	245.0	12.0	444.0	24.0	135.0	54.0	--	--	1.20	--	1.0	1160.0	8.0	--	708.0	11- 4-52
38.3228	75.6181	045	122MNKN	WI DE 30	23.0	4.7	35.0	4.7	171.0	1.0	9.5	21.0	--	--	0.30	--	--	302.0	7.2	--	183.0	1-10-51
38.3581	75.5764	045	122MNKN	WI CF 77	9.0	1.8	10.0	1.5	60.0	0.4	4.4	38.0	--	--	0.20	--	0.1	112.0	6.6	14.5	95.0	11-14-62
38.3842	75.6011	045	122MNKN	WI CE 21	1.9	1.1	5.0	1.6	8.0	11.0	3.2	23.0	--	--	0.05	--	0.1	51.3	5.3	14.5	51.0	3- 4-48
38.3842	75.6347	045	122MNKN	WI CE 115	1.2	0.7	4.3	1.6	3.0	11.0	2.8	21.0	--	--	0.05	--	--	47.0	6.3	14.5	44.0	3-23-64
38.4083	75.5914	045	122MNKN	WI CE 212	2.4	1.0	8.3	1.6	19.0	10.0	3.5	26.0	--	--	0.30	--	--	68.0	6.8	14.0	62.0	11-17-67
38.3133	75.5633	045	122YRKN	WI DF 25	4.2	2.3	8.8	1.0	25.0	9.0	7.4	39.0	--	--	0.30	--	0.1	90.3	6.3	--	84.0	9-15-50
38.3383	75.6131	045	122YRKN	WI CE 142	1.5	1.6	5.9	2.0	9.0	16.0	3.4	31.0	--	--	0.05	--	--	72.0	6.7	14.0	66.0	3-24-64
38.3122	75.8911	045	211MNMT	WI DD 56 733163	60.0	39.0	1300.0	31.0	690.0	610.0	1200.0	51.0	6300.0	--	--	--	1.6	--	-	--	3640.0	6-24-77
38.0731	75.5622	047		WO FB 9 2678	22.0	13.0	25.0	4.3	138.0	15.0	35.0	29.0	--	--	0.70	0.05	1.2	339.0	7.5	--	213.0	11- 4-52
38.2919	75.1461	047	112PCPC	WO CG 45	19.0	4.4	11.0	0.8	91.4	1.8	11.0	42.0	3400.0	--	--	--	0.1	190.0	6.3	14.8	139.0	5-12-81
38.3378	75.1147	047	112PCPC	WO BG 50	24.0	4.5	13.0	0.9	134.1	0.4	10.0	40.0	990.0	--	--	--	0.1	211.0	6.7	15.5	160.0	5-13-81
38.3381	75.3925	047	112PCPC	WO BG 51	4.9	2.0	11.0	1.1	30.5	0.7	9.0	42.0	300.0	--	--	--	0.1	86.0	5.4	17.5	86.0	5-13-81
38.3292	75.0894	047	112PLSC	WO CG 20	23.0	5.2	12.0	1.4	103.0	1.2	14.0	37.0	--	--	0.10	0.10	0.2	214.0	7.5	15.6	145.0	1-11-52
38.3708	75.0719	047	112PLSC	WO BH 84	17.0	11.0	30.0	8.1	132.0	6.0	35.0	33.0	--	--	1.20	--	0.3	338.0	7.9	--	211.0	4-18-73
38.4389	75.1547	047	112PLSC	WO AG 9 55263	--	--	9.0	1.8	8.0	0.2	13.0	14.0	40.0	--	3.00	--	--	72.0	6.4	12.0	--	12-22-71
38.4500	75.1939	047	112PLSC	WO AF 4	4.5	0.4	6.0	1.0	26.0	1.4	9.1	33.0	--	--	0.50	0.05	--	71.0	6.4	--	71.0	11- 5-52
38.0667	75.5797	047	122MNKN	WO FB 96	96.0	86.0	945.0	32.0	328.0	307.0	1520.0	11.0	--	--	5.20	--	0.2	5580.0	8.0	--	3160.0	7-12-70
38.1714	75.3983	047	122MNKN	WO DD 10 2648	16.0	5.6	113.0	6.4	303.0	2.5	52.0	17.0	--	100.0	0.60	1.10	0.1	612.0	7.9	--	--	5-27-52
38.2408	75.1364	047	122MNKN	WO DG 21 730519	39.0	13.0	44.0	8.9	272.0	2.0	26.0	21.0	--	--	--	--	0.1	365.0	-	16.0	288.0	10- 9-75
38.2492	75.2947	047	122MNKN	WO DE 36 730515	36.0	5.1	29.0	3.7	210.0	1.8	9.3	30.0	--	--	--	--	0.3	340.0	-	15.5	219.0	9-11-75
38.3439	75.1164	047	122MNKN	WO BG 49 730520	33.0	10.0	37.0	10.0	245.0	2.9	17.0	23.0	--	--	--	--	0.2	--	-	14.7	254.0	10-16-75

Table 7.--Chemical analyses of selected ground-water samples from the Coastal Plain of Maryland--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.3453	75.0808	047	122MNKN	WO BH 1	37.0	16.0	27.0	12.0	226.0	2.0	30.0	24.0	--	--	0.10	0.10	0.1	434.0	7.2	--	--	12-12-51
38.3689	75.0739	047	122MNKN	WO BH 81 71 80	15.0	13.0	44.0	11.0	136.0	8.0	59.0	30.0	--	--	0.70	--	0.2	407.0	-	--	248.0	6-16-71
38.3903	75.1092	047	122MNKN	WO BG 47	15.0	7.3	56.0	5.8	116.0	0.7	68.0	36.0	100.0	--	--	--	0.1	--	-	16.5	246.0	10-28-76
38.3903	75.1092	047	122MNKN	WO BG 48	15.0	8.0	65.0	7.1	130.0	1.2	87.0	37.0	400.0	--	--	--	0.2	485.0	-	17.0	285.0	10-28-76
38.4392	75.2950	047	122MNKN	WO AE 23 730513	12.0	2.6	9.4	2.9	68.0	1.7	7.5	28.0	--	--	--	--	0.1	--	-	13.7	98.0	9-17-75
38.4392	75.2950	047	122MNKN	WO AE 24 730512	76.0	2.6	7.4	1.3	270.0	2.3	10.0	28.0	--	--	--	--	0.2	--	-	13.7	261.0	9-17-75
38.4417	75.0561	047	122MNKN	WO AH 33 72 · 62	22.0	6.2	52.0	4.7	111.0	1.0	68.0	32.0	--	--	3.10	--	0.2	420.0	6.5	--	243.0	9-12-73
38.4417	75.0561	047	122MNKN	WO AH 33 72 62	22.0	7.0	60.0	4.7	122.0	5.9	91.0	32.0	--	--	--	--	0.1	550.0	7.1	15.0	283.0	3- 8-76
38.4417	75.0561	047	122MNKN	WO AH 33 72 62	23.0	6.0	65.0	4.9	116.0	0.1	99.0	33.0	14000.0	--	--	--	0.1	--	6.7	19.0	302.0	8- 3-76
38.4422	75.0550	047	122MNKN	WO AH 6 70 9	100.0	98.0	1690.0	65.0	624.7	149.0	2710.0	51.0	--	--	3.30	--	0.8	8900.0	8.4	--	5170.0	7-14-69
38.4422	75.0550	047	122MNKN	WO AH 6 70 9	42.0	15.0	220.0	13.0	308.2	7.2	296.0	58.0	--	--	0.50	--	0.3	1430.0	8.4	22.0	812.0	7-24-69
38.4422	75.0550	047	122MNKN	WO AH 6 70 9	28.0	5.9	23.0	4.0	128.0	--	30.0	32.0	--	--	0.80	--	0.1	298.0	7.0	17.0	187.0	7-25-69
38.4422	75.0550	047	122MNKN	WO AH 6 70 9	24.0	5.8	24.0	3.8	110.0	--	35.0	33.0	--	--	0.70	--	0.1	297.0	6.4	21.1	180.0	7-29-69
38.4422	75.0550	047	122MNKN	WO AH 6 70 9	26.0	6.0	21.0	3.6	112.0	1.7	30.0	35.0	82000.0	--	--	--	0.1	--	-	15.5	261.0	12-21-76
38.4422	75.0553	047	122MNKN	WO AH 34 72 59	23.0	5.6	38.0	4.7	109.0	--	53.0	33.0	--	--	0.30	--	0.1	341.0	7.5	16.0	--	4-27-72
38.4431	75.0517	047	122MNKN	WO AH 36 730517	34.0	6.8	110.0	6.1	130.0	2.3	170.0	31.0	--	--	--	--	0.2	--	-	15.4	424.0	10- 3-75
38.4431	75.0517	047	122MNKN	WO AH 37 730518	21.0	15.0	220.0	11.0	210.0	6.5	320.0	29.0	--	--	--	--	0.2	--	-	15.5	726.0	10-30-75
38.4439	75.0583	047	122MNKN	WO AH 38 730689	24.0	4.1	39.0	4.0	107.0	0.2	54.0	33.0	17000.0	--	--	--	0.1	400.0	6.7	19.0	228.0	8- 3-76
38.4469	75.0603	047	122MNKN	WO AH 39 730690	27.0	5.0	39.0	4.0	104.0	0.1	63.0	34.0	15000.0	--	--	--	0.1	450.0	6.8	19.0	239.0	8- 3-75
38.4469	75.0603	047	122MNKN	WO AH 39 730690	27.0	5.0	39.0	4.0	104.0	0.1	63.0	34.0	15000.0	--	--	--	0.1	450.0	6.8	19.0	239.0	8- 3-76
38.1372	75.1800	047	122MOCN	WO EF 3 12729	12.0	4.7	162.0	8.0	430.0	0.1	47.0	15.0	--	--	0.20	1.30	0.4	776.0	8.1	15.6	--	9-10-53
38.0939	75.3928	047	122PCMK	WO ED 8 46	19.0	13.0	26.0	12.0	202.0	5.2	10.0	34.0	--	100.0	0.70	0.05	--	330.0	7.8	--	--	11- 5-52
38.2461	75.1753	047	122PCMK	WO DF 3	32.0	9.5	25.0	3.8	194.0	0.2	12.0	29.0	--	--	1.30	--	0.2	323.0	7.7	14.0	209.0	10- 5-67
38.2492	75.2925	047	122PCMK	WO DE 33	10.0	5.6	32.0	7.2	131.0	2.2	14.0	40.0	--	--	0.90	--	0.2	248.0	7.7	15.0	177.0	7-20-71
38.3294	75.0886	047	122PCMK	WO CG 5 1642	18.0	8.3	39.0	9.2	103.0	0.8	16.0	32.0	--	--	0.10	0.20	0.2	325.0	7.3	15.6	214.0	1- 4-52
38.3453	75.0808	047	122PCMK	WO BH 8	29.0	14.0	36.0	10.0	229.0	0.1	20.0	28.0	--	--	0.70	0.05	0.1	413.0	7.8	--	--	12-17-51
38.3708	75.0719	047	122PCMK	WO BH 85	16.0	13.0	41.0	14.0	166.0	5.0	46.0	6.6	--	--	0.30	--	0.5	412.0	8.0	--	224.0	4-20-73
38.4392	75.2950	047	122PCMK	WO AE 25 730514	86.0	1.8	8.3	0.7	290.0	3.0	12.0	31.0	--	--	--	--	0.1	--	-	13.5	286.0	9-19-75
39.2656	76.5386	510	217PPSC	3S5E 9	8.2	6.7	49.0	1.8	1.0	3.6	107.0	9.0	--	--	3.50	--	0.1	--	5.3	--	189.0	3-19-45
39.2564	76.5392	510	217PTXN	3S5E 11	1.2	0.7	3.9	0.6	4.0	3.5	5.9	8.1	--	--	0.10	--	--	36.1	5.4	--	26.0	6-21-45
39.2608	76.5717	510	217PTXN	3S3E37 730039	110.0	340.0	3000.0	85.0	365.8	230.0	6000.0	5.4	4800.0	--	--	--	0.3	14300.0	6.6	15.0	9960.0	3-13-81
39.2633	76.5703	510	217PTXN	3S3E36 730040	140.0	270.0	2700.0	65.0	426.7	240.0	4700.0	4.1	610.0	40.0	--	--	0.3	10200.0	6.4	15.0	8340.0	3-20-81
39.2633	76.5703	510	217PTXN	3S3E39 730041	95.0	190.0	2000.0	47.0	8.5	230.0	3800.0	4.7	51000.0	200.0	--	--	0.3	7680.0	5.8	15.0	6440.0	3-20-81
39.2656	76.5389	510	217PTXN	3S5E 1	1.4	0.7	2.0	0.5	6.0	2.0	3.0	8.5	--	--	2.10	--	--	27.2	5.4	--	23.0	2-14-52
39.2839	76.5575	510	217PTXN	1S4E 2	11.0	5.2	12.0	--	6.0	28.0	20.0	8.7	--	--	17.00	--	--	109.0	5.1	--	105.0	3-11-44
39.2842	76.5594	510	217PTXN	1S4E 1	14.0	7.4	31.0	--	--	30.0	70.0	8.6	--	--	21.00	--	--	388.0	4.2	--	--	3-11-44

[1] Unreasonable WATSTORE value was changed to agree with data records maintained by local U.S. Geological Survey offices.

[2] Measurement was made during winter months and was probably taken after sample cooled.

[3] Value was verified to agree with data records maintained by local U.S. Geological Survey offices.

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia.

[Results in milligrams per liter except as indicated]

County: Codes are defined in table 3.
Geologic unit code: Codes are defined in table 4.
Iron and Aluminum: Micrograms per liter. One milligram equals 1000 micrograms.
Specific conductance: Microsiemens per centimeter at 25° Celsius.
pH: Negative base-10 logarithm of hydrogen ion activity in moles per liter.
Temperature: Degrees Celsius.
Collection date: Month, day and year of sample collection.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
37.7158	75.6781	001	110QRNR	65K 21 WALKER SCHOOL	21.0	10.0	10.0	14.0	144.0	1.4	9.0	28.0	--	--	1.90	0.01	0.1	288.0	7.3	--	166.0	9-28-71
37.9439	75.4553	001	110QRNR	67M 8 CHINCOTEAGUE TOWN	16.0	9.4	20.0	--	40.0	38.0	25.0	17.0	--	--	18.00	--	--	246.0	6.3	--	163.0	8-18-48
37.9439	75.4828	001	110QRNR	67M 6 NASA WALLOPS IS.	2.1	2.2	8.0	--	12.0	4.5	10.0	11.0	--	--	3.80	--	--	74.0	6.9	--	48.0	8-17-48
37.6000	75.7772	001	121CSPKU	64J 1 USGS TW3 CNTRL HS	310.0	61.0	550.0	32.0	10.0	25.0	1600.0	15.0	--	--	2.10	0.05	0.5	4680.0	5.6	16.0	2600.0	10-27-70
37.6058	75.6881	001	121CSPKU	65J 3 WACHAPREAGUE TOWN	3.9	2.2	170.0	7.5	333.0	2.2	90.0	15.0	10.0	--	0.30	0.18	0.8	900.0	-	17.0	458.0	9- 9-75
37.6306	75.8150	001	121CSPKU	64K 3 AMES, S W	25.0	11.0	32.0	14.0	218.0	1.6	12.0	45.0	--	--	3.60	--	--	358.0	-	--	252.0	12-31-06
37.6411	75.7525	001	121CSPKU	64K 5 EST. SHRE COM COL	37.0	21.0	9.3	13.0	236.0	0.7	9.2	20.0	10.0	--	3.30	0.03	0.2	530.0	-	--	230.0	9-11-75
37.6897	75.7164	001	121CSPKU	65K 6 ONLEY TOWN OF	32.0	6.2	27.0	9.6	185.0	1.0	10.0	50.0	--	--	0.60	1.50	0.2	340.0	7.1	--	229.0	3- 4-72
37.6897	75.7164	001	121CSPKU	65K 6 ONLEY TOWN OF	27.0	7.3	13.0	6.6	151.0	1.4	10.0	35.0	--	--	0.10	0.91	0.1	255.0	7.7	15.5	175.0	10-21-71
37.6897	75.7164	001	121CSPKU	65K 6 ONLEY TOWN OF	34.0	6.8	25.0	7.5	195.0	0.8	10.0	41.0	--	--	0.60	1.00	0.1	360.0	7.4	--	223.0	1-14-72
37.6981	75.7192	001	121CSPKU	65K 22 ACME STORES,ONLEY	25.0	8.2	13.0	7.2	142.0	2.0	8.8	31.0	--	--	--	0.55	0.1	280.0	7.5	--	166.0	9-28-71
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	27.0	7.4	23.0	8.7	162.0	4.8	9.9	23.0	--	--	0.40	--	0.3	288.0	7.6	--	184.0	11- 1-69
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	24.0	8.1	22.0	7.2	154.0	2.2	10.0	25.0	--	--	2.40	0.34	0.2	290.0	7.5	--	177.0	9-21-71
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	26.0	7.4	22.0	8.8	156.0	3.6	11.0	23.0	--	--	0.40	--	0.3	285.0	7.6	--	180.0	1-29-70
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	27.0	7.0	22.0	6.4	167.0	2.2	10.0	24.0	--	--	0.30	0.45	0.2	255.0	7.3	--	182.0	7- 6-70
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	24.0	8.0	22.0	5.8	156.0	3.0	8.2	24.0	--	--	2.60	--	0.2	277.0	7.6	--	175.0	10-27-69
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	30.0	5.2	21.0	7.4	156.0	4.6	10.0	28.0	--	--	0.30	--	0.3	285.0	7.8	--	184.0	12- 1-69
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	25.0	7.0	23.0	6.8	164.0	1.4	11.0	27.0	--	--	--	0.56	0.2	290.0	7.8	--	183.0	1- 4-72
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	23.0	8.0	22.0	6.9	162.0	2.4	9.6	25.0	--	--	0.20	0.37	0.2	270.0	7.7	--	178.0	3- 3-72
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	25.0	7.7	23.0	6.8	165.0	3.4	8.0	25.0	--	--	0.70	--	0.3	285.0	7.7	--	181.0	10-27-69
37.7092	75.7414	001	121CSPKU	65K 17 ONANCOCK, TOWN 2	27.0	7.8	22.0	6.8	166.0	1.4	10.0	26.0	--	--	0.60	--	0.2	288.0	7.6	--	184.0	7-28-69
37.7092	75.7422	001	121CSPKU	65K 9 ONANCOCK TOWN OF	30.0	5.3	17.0	5.6	143.0	1.2	9.3	33.0	50.0	--	3.90	0.83	0.2	310.0	-	16.0	177.0	9-10-75
37.7197	75.6708	001	121CSPKU	65K 20 ACCOMAC CO JAIL 2	8.8	5.0	90.0	9.2	208.0	3.4	55.0	19.0	--	--	2.40	0.03	0.4	520.0	7.7	--	295.0	9-21-71
37.7253	75.6733	001	121CSPKU	65K 18 VA ST HIGHWAY DPT	9.2	5.4	66.0	10.0	172.0	2.2	37.0	19.0	--	--	3.00	0.02	0.3	420.0	7.7	--	237.0	9-20-71
37.7342	75.6603	001	121CSPKU	65K 8 PERDUE FOODS P1	29.0	1.9	7.5	1.5	100.0	6.4	11.0	19.0	--	--	0.10	0.20	0.1	205.0	7.7	--	126.0	3-15-72
37.7375	75.6494	001	121CSPKU	65K 7 MARY SMITH H S	25.0	12.0	33.0	11.0	156.0	3.0	43.0	22.0	--	--	1.60	0.02	0.2	410.0	7.6	16.5	228.0	9-21-71
37.7386	75.6525	001	121CSPKU	65K 11 PERDUE FOODS P2	21.0	9.8	22.0	10.0	134.0	1.8	26.0	27.0	--	--	1.00	0.05	0.2	300.0	7.6	15.0	185.0	9-21-71
37.7414	75.6556	001	121CSPKU	65K 12 PERDUE FOODS P3	2.0	0.7	300.0	9.2	539.0	56.0	120.0	12.0	--	--	0.10	0.79	3.4	1340.0	8.3	--	779.0	6- 1-71
37.7414	75.6556	001	121CSPKU	65K 12 PERDUE FOODS P3	2.0	0.7	300.0	9.2	545.2	56.0	110.0	12.0	--	--	0.10	0.75	3.2	1310.0	8.4	--	760.0	12- 1-70
37.7414	75.6556	001	121CSPKU	65K 12 PERDUE FOODS P3	2.0	0.7	300.0	9.2	544.0	55.0	110.0	12.0	--	--	--	0.78	3.2	1320.0	8.3	--	761.0	3- 9-71
37.7414	75.6556	001	121CSPKU	65K 12 PERDUE FOODS P3	23.0	9.8	17.0	9.1	132.0	3.2	23.0	24.0	--	--	0.10	0.12	0.2	280.0	7.9	18.5	174.0	3- 1-72
37.7414	75.6556	001	121CSPKU	65K 12 PERDUE FOODS P3	21.0	9.2	17.0	8.9	127.0	2.6	24.0	24.0	--	--	0.20	0.12	0.1	300.0	7.5	18.5	169.0	7- 3-72
37.7844	75.6503	001	121CSPKU	65L 3 PARKSLEY, TOWN OF	10.0	7.6	17.0	3.7	10.0	37.0	24.0	13.0	--	--	28.00	--	0.1	235.0	5.5	--	145.0	3- 7-72
37.8750	75.5908	001	121CSPKU	66M 5 TAYLR PACKNG CO 5	23.0	9.5	18.0	7.0	142.0	1.0	17.0	16.0	--	--	0.70	--	0.1	275.0	8.3	--	162.0	4- 6-55
37.8822	75.5564	001	121CSPKU	66M 9 HOLLY FARMS 1	46.0	9.0	12.0	5.0	200.0	1.4	12.0	37.0	10.0	--	0.20	0.21	0.2	410.0	-	16.0	222.0	9-25-75
37.8844	75.5583	001	121CSPKU	66M 10 HOLLY FARMS 2	40.0	8.9	12.0	4.4	170.0	2.8	13.0	33.0	10.0	--	0.10	0.28	0.2	360.0	-	16.0	199.0	9-25-75
37.8867	75.5603	001	121CSPKU	66M 11 HOLLY FARMS 3	31.0	7.7	12.0	4.8	141.0	1.6	12.0	31.0	10.0	--	0.20	0.25	0.2	320.0	-	16.0	171.0	9-25-75
37.8892	75.5622	001	121CSPKU	66M 12 HOLLY FARMS 4	30.0	7.0	9.5	5.3	142.0	3.9	9.5	32.0	40.0	--	0.10	0.21	0.2	300.0	-	16.0	168.0	9-25-75
37.8919	75.5647	001	121CSPKU	66M 13 HOLLY FARMS 5	29.0	6.6	18.0	6.0	143.0	1.5	13.0	29.0	20.0	--	--	0.18	0.2	320.0	-	16.0	174.0	9-25-75
37.9269	75.7217	001	121CSPKU	65M 1 SAXIS VOL FIRE DT	56.0	3.2	12.0	--	188.0	4.0	14.0	42.0	--	--	1.50	--	0.3	333.0	7.7	--	226.0	8-18-48
37.9750	75.5378	001	121CSPKU	66M 2 H E KELLEY CO	28.0	13.0	64.0	14.0	229.0	6.7	66.0	28.0	--	--	0.90	--	0.2	567.0	8.0	--	334.0	5-30-55
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	26.0	22.0	51.0	24.0	228.0	3.8	64.0	16.0	--	--	3.50	0.36	0.1	580.0	7.9	--	323.0	6- 1-71
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	24.0	21.0	50.0	25.0	231.0	0.8	71.0	16.0	--	--	--	0.45	0.2	570.0	7.8	--	323.0	1- 4-72
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	28.0	20.0	54.0	28.0	228.0	3.0	68.0	15.0	--	--	4.30	--	0.2	600.0	7.9	--	332.0	10-27-69
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	28.0	21.0	52.0	28.0	229.0	2.6	68.0	15.0	--	--	3.70	--	0.3	580.0	7.9	--	332.0	10-27-69
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	30.0	19.0	53.0	27.0	229.0	2.2	67.0	15.0	--	--	3.70	--	0.2	595.0	7.9	--	330.0	10-27-69
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	26.0	16.0	57.0	30.0	232.0	6.2	69.0	14.0	--	--	1.10	--	0.3	595.0	7.8	--	334.0	1-29-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	26.0	16.0	54.0	30.0	230.0	6.4	66.0	14.0	--	--	3.90	--	0.3	600.0	7.7	--	330.0	1-29-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	28.0	16.0	55.0	30.0	232.0	9.0	66.0	14.0	--	--	3.20	--	0.3	600.0	7.9	--	336.0	2-10-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	33.0	17.0	53.0	25.0	228.0	2.6	65.0	14.0	--	--	0.10	0.17	0.2	545.0	7.3	--	322.0	4-17-70

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	36.0	15.0	53.0	24.0	228.0	3.4	67.0	14.0	--	--	3.80	0.24	0.2	547.0	7.5	--	329.0	4-17-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	28.0	21.0	50.0	24.0	229.0	3.0	66.0	14.0	--	--	2.20	0.30	0.1	547.0	7.8	--	322.0	5- 1-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	40.0	12.0	48.0	21.0	234.0	4.6	64.0	15.0	--	--	0.70	0.21	0.1	519.0	7.3	--	321.0	6- 1-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	29.0	20.0	50.0	24.0	232.0	4.6	66.0	14.0	--	--	4.60	0.22	0.1	565.0	8.0	--	327.0	6- 1-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	25.0	21.0	51.0	18.0	232.0	3.0	64.0	14.0	--	--	0.50	0.25	0.1	595.0	7.7	--	311.0	12- 1-70
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	26.0	21.0	52.0	25.0	230.0	4.6	65.0	16.0	--	--	2.30	0.16	0.1	570.0	7.9	--	325.0	3- 1-71
37.9442	75.4831	001	122CSPK	CHINCOTEAGUE 4	25.0	20.0	51.0	24.0	224.0	1.4	70.0	16.0	--	--	0.80	0.33	0.1	580.0	7.4	--	319.0	3- 1-72
37.8225	75.9919	001	211CRCSU	63L 5 MAIN RDG WTR ASSO	1.8	1.0	300.0	8.0	535.0	55.0	140.0	13.0	--	--	0.10	0.72	3.0	1440.0	8.3	24.0	786.0	9-23-71
37.8233	75.9961	001	211CRCSU	63L 2 WEST RDG WTR ASSO	1.9	0.6	300.0	8.2	511.0	58.0	130.0	13.0	--	--	0.10	0.85	0.5	1400.0	8.3	--	764.0	8-27-71
37.8264	75.9917	001	211CRCSU	63L 3 WHEATLEY WTR ASSO	2.3	0.7	300.0	8.4	547.0	56.0	120.0	12.0	--	--	--	0.92	0.6	1340.0	8.3	--	770.0	8-31-71
37.8278	75.9958	001	211CRCSU	63L 4 WEST RDG WTR ASSO	1.0	0.9	290.0	7.1	460.0	65.0	150.0	9.5	--	--	--	0.04	1.7	1360.0	8.3	24.0	751.0	9-23-71
37.8300	75.9964	001	211CRCSU	63L 1 TANGIER CRAB CO	1.9	0.6	300.0	12.0	543.2	57.0	122.0	11.0	--	--	0.10	--	3.2	1279.0	8.3	--	772.0	10-27-69
37.8300	75.9964	001	211CRCSU	63L 1 TANGIER CRAB CO	1.6	0.5	270.0	7.3	511.0	54.0	96.0	13.0	--	--	--	1.00	0.5	1200.0	8.3	24.0	695.0	8-30-71
37.8842	75.5169	001	211CRCSU	66M 1 TAYLOR, E G	15.0	0.1	61.0	4.3	52.4	29.0	69.0	11.0	20.0	--	0.22	0.37	0.2	375.0	9.2	15.0	216.0	11- 7-79
38.0442	77.3253	033	217PPSC	52M 1 VA OW 32	13.0	4.5	50.0	18.0	237.1	2.4	1.9	4.8	--	--	0.20	1.20	0.2	370.0	8.4	13.5	212.0	4- 5-72
37.2897	77.0667	036		54G 7 TAYLOR ESTS	1.9	0.8	83.0	4.9	217.0	6.8	3.8	36.0	--	--	0.20	0.38	0.2	360.0	8.2	--	246.0	12- 7-72
37.2897	77.0667	036		54G 7 TAYLOR ESTS	2.8	0.6	83.0	6.6	228.0	1.8	5.2	25.0	--	--	0.40	--	0.3	364.0	8.1	--	238.0	8-25-69
37.2897	77.0667	036		54G 7 TAYLOR ESTS	1.8	0.7	81.0	4.6	228.0	6.0	2.7	34.0	--	--	--	0.29	0.3	375.0	8.0	19.5	243.0	6- 8-71
37.2917	77.0778	036		54G 6 LEWIS, LAWRENCE	2.4	1.2	90.0	4.7	228.0	7.0	5.4	21.0	--	--	0.30	--	0.3	365.0	8.1	--	244.0	8-25-69
37.2917	77.0778	036		54G 6 LEWIS, LAWRENCE	1.9	0.5	84.0	3.6	231.0	6.4	3.5	33.0	--	--	--	0.31	0.3	380.0	8.1	23.5	248.0	6- 8-71
37.3289	77.2064	036		YMCA CMP WEYANOKE	6.4	3.0	170.0	12.0	408.0	12.0	53.0	32.0	--	--	0.30	0.52	1.5	800.0	7.8	21.0	492.0	10- 6-71
37.3333	77.0833	036		LEWIS, LAWRENCE	1.9	0.5	84.0	3.6	234.0	5.2	3.2	33.0	--	--	--	0.29	0.3	385.0	8.1	19.0	247.0	6- 8-71
37.3347	77.0833	036		DR KENT	1.6	0.5	76.0	5.0	214.0	8.2	1.2	31.0	--	--	0.20	0.11	1.2	365.0	7.9	20.0	230.0	6- 9-71
37.3375	77.0833	036		NANTZ, I R	2.4	0.9	75.0	8.7	216.0	11.0	0.8	28.0	--	--	--	0.23	0.8	365.0	8.2	18.0	234.0	6- 9-71
37.3389	77.0833	036		ALVIS, JAMES T	3.5	1.0	120.0	8.4	305.1	9.0	13.0	29.0	--	--	--	0.65	1.8	525.0	8.3	21.0	335.0	6- 8-71
37.3417	77.0833	036		BAHNSON, HENRY	0.9	0.4	93.0	3.0	240.0	11.0	7.7	33.0	--	--	0.10	0.31	0.4	420.0	8.1	23.5	268.0	6- 8-71
37.3431	77.0833	036		ROWAN, H C	40.0	3.8	4.7	2.0	152.0	5.0	1.6	25.0	--	--	0.10	--	0.2	250.0	7.8	18.5	158.0	6- 9-71
37.3444	77.0833	036		HURST, W	13.0	2.9	50.0	8.3	184.0	5.0	4.0	29.0	--	--	0.20	0.04	0.5	300.0	7.8	16.0	203.0	6-10-71
37.3472	77.0833	036		TATE, A E	3.4	1.9	14.0	1.2	9.0	0.4	29.0	3.4	--	--	--	0.03	0.1	130.0	5.9	21.5	57.0	6-10-71
37.3486	77.0833	036		ROCH	11.0	4.3	49.0	12.0	193.0	1.8	1.6	18.0	--	--	--	0.02	0.5	340.0	7.7	19.5	193.0	6-11-71
37.3500	77.0833	036		ROXBURY FISHERY	2.2	0.7	94.0	8.1	256.0	9.0	1.4	31.0	--	--	--	0.34	1.2	420.0	8.2	16.0	274.0	6-11-71
37.3528	77.0833	036		WEST ELEM SCHOOL	0.4	0.2	82.0	6.5	207.0	10.0	3.6	38.0	--	--	0.20	1.20	1.5	360.0	8.1	--	246.0	12- 6-72
37.3542	77.0833	036			18.0	6.8	28.0	21.0	179.0	8.7	3.2	29.0	--	--	1.20	0.31	0.3	315.0	8.0	--	204.0	12- 6-72
37.3100	77.1628	036	125PLCM	57G 4 BLACK	8.9	2.5	140.0	10.0	336.0	15.0	38.0	36.0	--	--	0.40	0.47	1.3	670.0	8.2	--	418.0	12- 6-72
37.3100	77.1628	036	125PLCM	57G 4 BLACK	11.0	1.7	125.0	10.0	331.0	14.0	36.0	29.0	--	--	0.10	--	1.5	670.0	7.9	--	391.0	8-20-69
37.2550	76.9469	036	211CRCSU	55G 1 HULE, STANLEY	0.6	0.2	84.0	3.5	229.0	7.4	0.3	34.0	--	--	--	0.45	0.5	380.0	8.1	19.0	244.0	6- 9-71
37.3108	77.0628	036	211CRCSU	54G 9 COPLAND, A	24.0	3.5	26.0	5.1	141.0	11.0	5.8	19.0	--	--	0.30	--	0.1	255.0	7.7	--	164.0	8-25-69
37.3108	77.0628	036	211CRCSU	54G 9 COPLAND, A	5.2	1.7	140.0	12.0	282.0	22.0	54.0	25.0	--	--	0.30	0.20	1.5	640.0	7.6	--	401.0	12- 7-72
37.3269	77.0989	036	211CRCSU	54G 2 SMITH, C I	3.2	0.5	101.0	10.0	250.0	9.4	11.0	29.0	--	--	0.20	--	1.6	431.0	8.0	--	289.0	8-25-69
37.3269	77.0989	036	211CRCSU	54G 2 SMITH, C I	2.1	0.7	94.0	6.5	251.0	8.0	8.6	25.0	--	--	0.20	0.31	1.5	430.0	8.1	19.5	270.0	6-10-71
37.3400	77.0753	036	211CRCSU	54G 1 EAST ELEM SCHOOL	5.0	0.8	84.0	7.1	236.0	8.7	3.1	30.0	--	--	0.20	0.52	1.6	390.0	8.0	--	257.0	12- 7-72
37.3400	77.0753	036	211CRCSU	54G 1 EAST ELEM SCHOOL	24.0	2.0	62.0	6.5	240.0	7.0	8.4	31.0	--	--	0.10	0.24	1.1	400.0	7.8	22.0	260.0	6- 8-71
37.3403	77.0833	036	211CRCSU	55F 6 SMITH, J C	0.4	0.2	84.0	3.1	228.0	6.6	2.7	33.0	--	--	--	0.37	0.4	372.0	8.1	24.0	243.0	6- 8-71
37.3458	77.0833	036	211CRCSU	55G 3 DOTSON, ROBERT	0.6	0.2	87.0	3.3	229.0	7.2	2.2	35.0	--	--	--	0.64	0.8	380.0	8.1	21.0	250.0	6- 9-71
37.3114	77.0567	036	217PPSC	54G 8 COPLAND RVREDG FM	10.0	1.9	280.0	14.0	404.0	30.0	201.0	28.0	--	--	0.30	--	1.7	1318.0	7.9	--	766.0	8-25-69
37.3114	77.0567	036	217PPSC	54G 8 COPLAND RVREDG FM	7.8	2.9	290.0	12.0	413.0	27.0	210.0	32.0	--	--	0.10	0.42	1.6	1340.0	7.9	18.0	787.0	6-10-71
37.3169	77.1797	036	217PPSC	53G 9 BERKELEY PLANTATN	2.6	0.7	116.0	8.6	283.0	18.0	25.0	31.0	--	--	0.10	--	0.6	565.0	7.8	--	342.0	8-20-69
37.3250	77.2119	036	217PPSC	53G 2 WILLIAMS, CARTER	5.6	2.4	170.0	10.0	383.0	16.0	56.0	37.0	--	--	0.90	0.48	1.6	790.0	8.1	--	488.0	12- 6-72
37.3250	77.2119	036	217PPSC	53G 2 WILLIAMS, CARTER	7.8	1.7	164.0	12.0	376.0	16.0	53.0	29.0	--	--	0.60	--	1.7	800.0	7.8	--	471.0	8-20-69
37.3258	77.1383	036	217PPSC	53G 6 RUFFIN, J A	3.2	1.0	110.0	8.4	268.0	9.1	16.0	34.0	--	--	0.30	0.85	1.5	485.0	8.3	--	317.0	12- 6-72
37.3258	77.1383	036	217PPSC	53G 6 RUFFIN, J A	3.8	0.7	118.0	11.0	286.0	11.0	18.0	27.0	--	--	--	--	1.5	540.0	8.2	--	332.0	1-29-70
37.3283	77.1539	036	217PPSC	53G 5 RUFFIN, J A	3.2	0.7	175.0	10.0	388.0	15.0	52.0	30.0	--	--	0.20	--	2.0	769.0	8.0	--	479.0	8-25-69
37.3372	77.1250	036	217PPSC	53G 7 RUFFIN, J A	3.2	1.0	147.0	10.0	395.0	3.2	25.0	28.0	--	--	0.20	--	2.0	720.0	7.6	--	414.0	8-25-69
37.3372	77.1250	036	217PPSC	53G 7 RUFFIN, J A	1.6	0.6	140.0	7.6	319.0	12.0	23.0	38.0	--	--	0.20	0.73	2.0	580.0	8.3	--	383.0	12- 6-72
37.3481	77.2553	036	217PPSC	52G 8 ALSOP	2.6	1.3	138.0	5.5	221.2	21.0	85.0	24.0	--	--	0.20	--	1.7	690.0	8.5	--	384.0	8-20-69
37.4117	77.0461	036	217PPSC	54H 3 STERLING HGT SUBD	6.2	0.8	79.0	7.8	211.0	12.0	2.7	27.0	--	--	0.30	--	1.5	368.0	8.0	--	241.0	8-20-69
37.4117	77.0461	036	217PPSC	54H 3 STERLING HGT SUBD	4.9	1.3	72.0	7.5	214.0	8.6	0.3	32.0	--	--	--	0.02	1.4	350.0	7.9	23.0	233.0	6- 9-71
37.4117	77.0461	036	217PPSC	54H 3 STERLING HGT SUBD	4.6	1.2	73.0	9.5	214.0	11.0	2.0	35.0	--	--	0.30	0.36	1.2	358.0	8.0	--	243.0	12- 6-72
37.3322	77.0978	036	217PTMC*	54G 11 VA OW 66	4.0	1.1	280.0	9.1	522.0	28.0	120.0	32.0	--	--	0.20	0.38	2.4	1300.0	7.9	--	735.0	3-30-73
37.3114	77.1478	036	217PTXH	53G 11 CRANE, R	12.0	1.1	158.0	9.0	370.0	18.0	56.0	27.0	--	--	0.40	--	1.8	810.0	7.9	--	465.0	8-20-69

Tab.e 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
37.3114	77.1478	036	217PTXM	53G 11 CRANE, R	10.0	2.8	150.0	8.8	366.0	17.0	52.0	32.0	--	--	0.30	0.50	0.9	776.0	7.9	19.0	454.0	6-10-71
37.3569	77.2469	036	217PTXM	53G 10 SACKETT, A	1.0	0.4	84.0	4.3	199.0	9.8	17.0	32.0	--	--	--	1.10	1.3	400.0	8.0	21.0	249.0	6-10-71
37.3569	77.2469	036	217PTXM	53G 10 SACKETT, A	1.2	0.5	86.0	3.9	195.0	13.0	20.0	28.0	--	--	0.30	--	1.5	400.0	8.0	--	250.0	8-20-69
37.3606	77.2372	036	217PTXM	53G 8 HARRISON	1.2	0.1	86.0	3.9	196.0	12.0	19.0	28.0	--	--	0.30	--	1.2	400.0	8.0	--	248.0	8-20-69
37.3583	77.4417	041	217PPSC	51G 2 CHESTER HIGH SCH	67.0	5.0	197.0	14.0	126.0	468.0	24.0	17.0	--	--	0.10	--	3.4	--	-	--	857.0	10- 8-39
37.4211	77.4253	041	217PPSC	51H 6 FT DARLING NPS	6.0	3.9	15.0	5.8	37.0	5.6	24.0	20.0	1700.0	--	--	--	0.2	158.0	5.6	15.0	100.0	11-30-76
37.4211	77.4253	041	217PPSC	51H 6 FT DARLING NPS	11.0	9.7	33.0	8.6	83.0	5.8	55.0	18.0	40.0	--	1.80	--	0.1	315.0	-	16.0	184.0	7-25-78
37.8700	76.7858	057	124EOCH	56L 4 TALIFERRO, S	25.0	1.1	93.0	--	302.0	11.0	3.3	38.0	70.0	--	--	--	--	--	-	--	320.0	7- 1-18
37.9225	76.8642	057	217PPSC	56M 14 TAPPAHANNOCK TOWN	0.2	0.4	94.0	3.5	235.0	14.0	1.4	20.0	20.0	--	--	0.36	1.4	420.0	8.0	--	252.0	6-20-73
37.9281	76.8619	057	217PPSC	56M 10 TAPPAHANNOCK 2	0.3	0.2	93.0	3.4	238.0	16.0	2.2	19.0	20.0	--	--	0.33	1.4	415.0	8.0	--	254.0	6-20-73
37.9281	76.8619	057	217PPSC	56M 10 TAPPAHANNOCK 2	0.4	0.3	96.0	3.1	242.0	14.0	1.1	21.0	10.0	--	--	0.80	1.4	355.0	-	--	259.0	4-24-75
37.9694	76.9181	057	217PPSC	55M 3 LAUREL PARK TAPPA	0.4	0.3	95.0	3.6	245.0	14.0	0.9	22.0	60.0	--	--	0.80	1.4	375.0	-	18.0	259.0	4-24-75
37.3619	76.4717	073		BATES, CHANDLER	57.0	4.2	38.0	9.8	270.0	10.0	13.0	--	--	--	--	--	--	470.0	7.8	--	--	7- 8-69
37.3753	76.4222	073		RICE, C L	--	0.2	166.0	0.4	266.0	15.0	109.0	--	--	--	--	--	--	781.0	7.9	--	--	7- 8-69
38.6153	76.4389	073		136-9	11.0	2.1	31.0	5.9	62.0	4.6	44.0	--	--	--	--	--	--	252.0	7.0	--	--	7- 8-69
37.2844	76.4764	073	110QRNR	59G 8 CHURCH OF GOD	11.0	2.1	31.0	5.9	62.0	4.6	44.0	--	--	--	--	--	--	252.0	7.0	--	--	7- 5-69
37.2486	76.5003	073	121CSPKU	58F 34 VA INST MARINE SC	1.8	0.1	150.0	1.2	355.0	9.1	24.0	18.0	40.0	--	--	0.02	0.2	630.0	7.2	--	379.0	7-11-73
37.2486	76.5003	073	121CSPKU	58F 34 VA INST MARINE SC	37.0	1.2	15.0	0.4	120.0	12.0	13.0	--	--	--	--	--	0.1	279.0	7.8	--	--	6-27-69
37.2489	76.4989	073	121CSPKU	59F 4 VA INST MARINE SC	59.0	2.2	6.9	2.3	140.0	35.0	13.0	--	--	--	--	--	--	321.0	7.4	--	--	7- 8-69
37.2489	76.5006	073	121CSPKU	58F 35 VA INST MARINE SC	35.0	1.0	17.0	1.2	115.0	13.0	16.0	--	--	--	--	--	0.1	285.0	7.7	--	--	1-27-69
37.2544	76.4778	073	121CSPKU	59G 10 PRATT, THEODORE	34.0	2.6	16.0	2.7	112.0	21.0	23.0	--	--	--	--	--	--	291.0	7.3	--	--	7- 8-69
37.2547	76.4906	073	121CSPKU	59G 17 GLOUCESTER BANKS	22.0	2.1	4.1	0.8	42.0	18.0	12.0	--	--	--	--	--	--	160.0	6.7	--	--	7- 8-69
37.3156	76.5117	073	121CSPKU	58G 7 GLOUCESTER COUNTY	4.3	3.4	5.2	1.7	18.0	7.5	12.0	6.6	360.0	--	19.00	--	0.1	120.0	6.3	17.0	70.0	10- 3-78
37.3556	76.5108	073	121CSPKU	58G 4 INGLES, WILLIAM	62.0	4.1	20.0	6.2	240.0	8.6	4.4	--	--	--	--	--	--	390.0	7.5	--	--	7- 8-69
37.3869	76.5033	073	121CSPKU	58H 1 LUCUDO, W W	145.0	5.5	21.0	2.0	422.0	48.0	20.0	--	--	--	--	--	0.1	819.0	7.6	--	--	6-27-69
37.4231	76.4539	073	121CSPKU	59H 2 RHOADS, MRS. W	51.0	3.3	6.0	2.5	136.0	87.0	13.0	7.1	--	--	8.80	--	0.1	334.0	7.6	--	186.0	7-28-69
37.2456	76.5042	073	124EOCH	58F 14 GLOCESTR SAN DIST	4.3	6.0	540.0	19.0	816.9	8.2	400.0	12.0	140.0	--	--	0.25	1.9	2700.0	8.3	17.5	1390.0	1-16-80
37.2531	76.4783	073	124EOCH	59G 12 PRATT, THEODORE	17.0	15.0	1000.0	41.0	786.0	150.0	1100.0	20.0	--	--	4.20	0.06	1.2	4780.0	8.2	--	2734.0	12-21-72
37.2531	76.4783	073	124EOCH	59G 12 PRATT, THEODORE	41.0	2.7	1060.0	68.0	786.0	179.0	1110.0	--	--	--	--	--	--	5050.0	7.7	--	--	7- 8-69
37.2778	76.4444	073	124EOCH	59G 4 UNION BAP CH 24	10.0	20.0	1404.0	--	936.6	207.0	1540.0	--	--	--	--	--	--	--	-	--	--	6-19-18
37.3592	76.4708	073	124EOCH	59G 7 BOWDITCH, JOHN	75.0	3.4	5.7	2.6	220.0	21.0	10.0	18.0	--	--	0.40	--	0.1	421.0	7.6	--	244.0	7-28-69
37.3622	76.4719	073	124EOCH	59G 5 BOWDITCH, JOHN	54.0	3.5	23.0	4.7	166.0	34.0	19.0	--	--	--	--	--	--	392.0	7.4	--	--	7- 8-69
37.2650	76.4225	073	124PMNK*	59G 18 YORK R SEAFOOD CO	92.0	67.0	690.0	14.0	9.8	230.0	1300.0	21.0	5800.0	--	1.70	--	0.3	5000.0	6.3	9.0	2430.0	12-19-79
37.2942	76.4167	073	125PLCH	59G 2 SHACKELFORD, L	46.0	26.0	1026.0	--	628.0	216.0	2500.0	--	--	--	0.70	--	--	--	-	--	--	12-31-06
37.3297	76.4567	073	125PLCH	59G 14 HAMILTON, P	23.0	14.0	1188.0	--	586.0	155.0	1630.0	20.0	100.0	--	--	--	--	--	-	--	3320.0	1- 1-06
37.3864	76.6300	073	125PLCH	57H 3 MCLEAN, NEILL	1.2	1.1	302.0	--	690.0	18.0	54.0	33.0	--	--	--	--	--	--	-	--	749.0	6- 1-18
37.4161	76.5372	073	211CRCSU	58H 2 GLOU SAN DIST 1	1.4	0.7	538.0	--	742.1	59.0	355.0	16.0	10.0	--	--	--	2.2	2300.0	6.1	--	1340.0	5-18-48
37.4164	76.5433	073	211CRCSU	58H 3 VEPCO GLOUCESTER	5.4	0.7	529.0	14.0	864.0	63.0	295.0	--	--	--	--	--	2.3	2525.0	8.0	--	--	6-27-69
37.4164	76.5433	073	211CRCSU	58H 3 VEPCO GLOUCESTER	6.0	8.2	540.0	12.0	890.0	68.0	290.0	23.0	--	--	--	0.49	2.0	2380.0	8.3	21.0	1390.0	1-17-80
37.5644	76.6244	073	211CRCSU	58J 11 RAPPAHA COMM COLL	0.9	0.3	210.0	5.4	487.7	27.0	9.7	16.0	30.0	--	--	0.92	2.1	845.0	8.3	19.0	512.0	1-16-80
36.8169	77.4744	081		JARRATT, TOWN OF	105.0	23.0	147.0	14.0	278.0	83.0	264.0	15.0	--	--	0.10	--	0.4	1460.0	7.4	--	788.0	5-23-69
36.8169	77.4744	081		JARRATT, TOWN OF	96.0	24.0	110.0	15.0	294.0	72.0	203.0	16.0	--	--	0.70	--	0.2	1292.0	7.7	--	686.0	7-28-69
37.7500	77.5014	085		STARKE, R W	22.0	6.0	21.0	18.0	154.0	12.0	4.0	14.0	--	--	--	0.01	0.4	258.0	7.6	--	173.0	4-17-70
37.7542	77.5014	085		HANOVER WATER CO	61.0	22.0	78.0	12.0	236.0	52.0	120.0	49.0	--	--	1.80	2.20	0.7	860.0	7.3	21.0	515.0	8-17-71
37.7556	77.5014	085		SUNNOCO OIL CO	16.0	3.4	10.0	7.2	88.0	13.0	1.4	9.0	--	--	0.10	0.03	0.2	179.0	7.6	--	103.0	6-22-70
37.7569	77.5014	085		BEECHWOOD SER COR	43.0	11.0	161.0	11.0	246.0	90.0	145.0	21.0	--	--	0.70	0.01	1.7	955.0	7.5	--	606.0	4-17-70
37.7625	77.5014	085		MCCRACKEN, VA M	21.0	7.5	10.0	3.9	100.0	10.0	5.8	27.0	--	--	0.20	0.10	0.1	203.0	7.0	--	139.0	6-18-70
37.7653	77.5014	085		DAVIS, G R	7.2	1.6	55.0	4.7	159.0	11.0	4.6	24.0	--	--	--	0.02	0.2	265.0	7.5	21.0	186.0	5- 6-70
37.7667	77.5014	085		WINDY HILLS	22.0	0.1	12.0	3.0	132.0	8.0	4.1	32.0	--	--	0.30	0.02	0.2	223.0	7.9	--	155.0	6-18-70
37.7681	77.5014	085		HARGROVE, A W	6.0	1.4	5.2	2.8	19.0	15.0	2.3	32.0	--	--	1.00	0.04	0.2	72.0	6.8	--	75.0	5- 6-70
37.7694	77.5014	085		NAT PARK SERVICE	18.0	4.9	25.0	13.0	138.0	15.0	1.9	14.0	--	--	0.50	0.01	0.4	275.0	7.9	--	161.0	12- 1-72
37.7708	77.5014	085		JANIE BARRETT SCH	36.0	6.6	19.0	11.0	160.0	16.0	14.0	41.0	--	--	--	0.06	0.2	325.0	8.2	--	223.0	12- 5-72
37.7708	77.5014	085		JANIE BARRETT SCH	42.0	4.4	16.0	10.0	162.0	18.0	14.0	32.0	--	--	0.20	0.07	0.2	315.0	7.2	--	217.0	6-16-70
37.7750	77.5014	085		SMDNR SPRING MEAD	22.0	9.2	25.0	20.0	168.0	25.0	5.1	20.0	--	--	0.30	--	0.2	341.0	7.7	--	210.0	7- 9-70
37.7764	77.5014	085		HANOVER WAYSIDE	43.0	8.5	11.0	8.4	186.0	16.0	5.7	37.0	--	--	0.20	--	0.2	315.0	7.9	--	222.0	6-22-70
37.7778	77.5014	085		MOBIL CHEMICAL CO	15.0	5.4	17.0	21.0	134.0	10.0	2.0	13.0	--	--	1.10	--	0.2	245.0	7.7	--	151.0	8-18-71
37.7792	77.5014	085		PEMBERTON, EVA S	8.3	3.8	10.0	6.0	56.0	9.0	2.8	48.0	--	--	0.20	7.40	1.0	124.0	6.7	20.5	125.0	8-20-71
37.7806	77.5014	085		PEMBERTON, R N	8.5	5.7	15.0	7.9	70.0	18.0	8.8	42.0	--	--	0.10	0.30	0.2	175.0	6.7	21.0	141.0	8-20-71
37.7819	77.5014	085		BATTLEFIELD PK HS	19.0	5.6	18.0	25.0	149.0	11.0	2.2	14.0	--	--	0.80	0.04	0.1	260.0	7.7	20.0	169.0	8-22-71
37.7833	77.5014	085		VA DEPT OF HGHWAY	37.0	11.0	10.0	24.0	212.0	9.2	2.8	24.0	--	--	0.10	--	0.3	350.0	7.7	20.0	223.0	8-17-71

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local	well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
37.7917	77.5014	085			HANO VIL SHOP CTR	10.0	3.3	15.0	2.6	26.0	4.2	27.0	11.0	--	--	20.00	0.10	0.1	190.0	6.0	--	106.0	3-14-73
37.7944	77.5014	005			HANO WAYSIDE PARK	41.0	7.6	14.0	9.5	186.0	16.0	3.3	48.0	--	--	0.10	0.02	0.2	330.0	7.8	--	231.0	12- 5-72
37.7958	77.5014	085			PEARSON CORNR SCH	35.0	9.0	16.0	7.3	182.0	12.0	4.4	56.0	--	--	0.20	0.15	0.2	315.0	7.7	--	229.0	12- 5-72
37.7722	77.5014	085	121CSPKU	51M 6	RAINBOW LKE MOTEL	27.0	11.0	10.0	5.2	145.0	17.0	2.0	39.0	--	--	0.30	0.66	0.2	258.0	7.7	--	183.0	6-22-70
37.5917	77.3236	085	217PPSC	52J 6	SYDNR HIGH PT FAR	14.0	4.7	15.0	25.0	134.0	15.0	2.2	22.0	--	--	--	--	0.2	250.0	7.7	--	164.0	11-28-72
37.6017	77.3469	085	217PPSC	52J 5	SYNDR WALNUT GRVE	12.0	5.4	24.0	23.0	124.0	19.0	3.5	17.0	--	--	0.20	0.02	0.4	300.0	7.7	--	166.0	11-28-72
37.6114	77.3097	085	217PPSC	51J 9	MEADOWBRIDGE SUBD	5.9	2.4	78.0	15.0	213.0	13.0	20.0	15.0	10.0	--	0.10	0.03	1.6	380.0	-	18.0	256.0	5- 5-75
37.6200	77.3250	085	217PPSC	52J 11	SYDNOR CHERRYDALE	16.0	6.8	16.0	19.0	132.0	16.0	1.5	20.0	--	--	0.20	0.07	0.4	270.0	7.7	--	161.0	11-28-72
37.6264	77.2272	085	217PPSC	53K 5	MATTAQUIN	5.9	2.2	48.0	19.0	160.0	10.0	1.9	22.0	--	--	1.20	0.03	0.3	310.0	7.8	--	190.0	12- 1-72
37.6272	77.3819	085	217PPSC	51K 5	MAYFIELD FARMS	43.0	7.0	42.0	16.0	232.0	35.0	8.6	24.0	--	--	1.40	0.02	0.5	425.0	7.3	--	292.0	4-17-70
37.6272	77.3819	085	217PPSC	51K 5	MAYFIELD FARMS	30.0	11.0	36.0	18.0	220.0	38.0	6.0	34.0	--	--	1.10	0.08	0.4	444.0	7.4	--	283.0	11-28-72
37.6353	77.1833	085	217PPSC	53K 4	SPENCER, H	2.4	0.9	65.0	9.9	172.0	13.0	1.8	25.0	--	--	0.30	0.12	0.5	330.0	8.1	--	204.0	12- 1-72
37.6525	77.3731	085	217PPSC	52K 5	SYDNR ROBINS RIDG	42.0	11.0	19.0	8.8	228.0	6.2	5.2	46.0	--	--	0.20	0.01	0.3	415.0	7.5	--	251.0	11-28-72
37.6542	77.3628	085	217PPSC	52K 6	AVONDALE SUBD	37.0	10.0	22.0	12.0	202.0	15.0	6.6	42.0	--	--	0.50	0.60	0.4	390.0	7.5	--	245.0	11-28-72
37.6681	77.2983	085	217PPSC	52K 3	SYDNR RAINER ESTA	1.2	0.6	45.0	26.0	126.0	21.0	2.0	33.0	--	--	0.10	0.08	0.4	283.0	7.6	--	192.0	11-28-72
37.6825	77.3569	085	217PPSC	52K 4	SYNDR COLNAL FORE	36.0	7.6	12.0	9.0	172.0	11.0	5.9	33.0	--	--	0.10	0.08	0.3	330.0	7.7	--	200.0	11-28-72
37.7403	77.3569	085	217PPSC	52K 7	SINGAL HLL MEM TK	30.0	6.6	12.0	9.6	152.0	9.8	3.9	32.0	--	--	0.10	0.03	0.1	270.0	7.7	--	179.0	12- 5-72
37.7403	77.3569	085	217PPSC	52K 7	SINGAL HLL MEM PK	19.0	1.0	2.1	1.7	56.0	6.2	5.2	7.0	--	--	1.60	--	--	114.0	7.0	--	72.0	6-22-70
37.7544	77.3378	085	217PPSC	52L 1	ML TRG SC	41.0	12.0	28.0	--	210.0	7.7	23.0	8.0	--	--	--	--	0.1	--	-	--	223.0	12-31-43
37.7736	77.5014	085	217PPSC	52J 15	SYDNR SPRING HEAD	23.0	8.9	26.0	20.0	172.0	26.0	6.2	20.0	--	--	0.60	--	0.2	343.0	7.7	--	216.0	7- 9-70
36.9922	77.4097	087			STONEMAN, GEORGE	9.8	2.8	56.0	8.6	171.0	12.0	8.2	26.0	--	--	0.50	--	0.3	322.0	7.8	--	208.0	8-20-69
37.4278	77.2583	087			KELLY'S RESTAURNT	13.0	2.3	61.0	15.0	207.0	7.4	7.8	15.0	--	--	0.10	0.05	0.2	348.0	8.0	--	224.0	6-20-70
37.4292	77.2583	087			GILMAN, E L	3.6	0.7	333.0	3.5	220.5	191.0	344.0	11.0	--	--	0.60	--	--	1680.0	8.8	--	906.0	8-20-69
37.4306	77.2583	087			SYDNR PINE HEIGHT	34.0	14.0	2.6	18.0	209.0	3.9	1.9	20.0	--	--	0.40	--	0.2	350.0	7.7	--	198.0	11-28-72
37.5089	77.3422	087			FLINTKOTE CO.	19.0	2.7	14.0	2.7	36.0	32.0	30.0	12.0	--	--	2.70	--	0.8	220.0	6.6	--	124.0	8-20-69
37.5125	77.3331	087			YORK MANOR HENRCO	23.0	3.4	33.0	6.6	168.0	7.6	3.5	33.0	--	--	0.90	--	0.1	290.0	7.8	--	194.0	8-20-69
37.5242	77.3947	087			SYDNOR-ESTVW GDNS	10.0	2.3	61.0	12.0	185.0	17.0	6.8	19.0	--	--	0.30	--	0.2	352.0	7.8	--	220.0	8-20-69
37.5342	77.3203	087		52J	HENRICO CTY.	26.0	2.9	30.0	8.6	176.0	6.6	3.3	31.0	--	--	0.10	--	0.1	298.0	7.6	--	196.0	8-20-69
37.5342	77.3203	087		52J	HENRICO CTY.	26.0	2.9	30.0	8.6	176.0	6.6	3.3	31.0	--	--	0.10	--	0.1	298.0	7.6	--	196.0	8-20-69
37.5408	77.3714	087			FAIRFIELD WATER 1	21.0	1.7	37.0	8.6	172.0	8.8	3.2	25.0	--	--	0.30	--	0.2	300.0	7.8	--	191.0	8-20-69
37.5447	77.3717	087			FAIRFIELD WATER	15.0	4.0	55.0	14.0	198.0	8.2	6.8	14.0	--	--	0.60	--	0.3	350.0	7.8	--	215.0	8-20-69
37.5453	77.3614	087			FAIRFIELD WATER	16.0	3.4	50.0	11.0	187.0	10.0	5.2	14.0	--	--	0.10	--	0.2	336.0	8.0	--	202.0	8-20-69
37.6019	77.5539	087		50J 1	VA OW 23 GILMAN,E	3.0	0.8	7.8	1.7	35.0	0.4	3.4	16.0	--	--	0.10	0.09	0.2	64.0	6.7	11.0	50.0	3-29-72
37.6019	77.5539	087		50J 1	VA OW 23 GILMAN,E	1.3	0.2	90.0	2.1	236.1	4.6	4.4	9.5	--	--	--	--	1.2	390.0	8.3	--	228.0	1-29-70
37.6019	77.5539	087		50J 1	VA OW 23 GILMAN,E	2.4	0.6	9.0	1.6	32.0	0.4	4.4	19.0	--	--	0.10	0.20	0.1	64.0	6.6	13.5	54.0	3- 2-72
37.6019	77.5539	087		50J 1	VA OW 23 GILMAN,E	7.1	1.0	50.0	1.8	148.0	4.0	4.2	6.1	--	--	0.60	0.30	0.7	250.0	7.2	13.0	149.0	3-23-73
37.5139	77.3797	087	121CSPKU	51J 7	COMNL SHD	12.0	2.1	56.0	13.0	177.0	13.0	9.0	26.0	--	--	0.60	--	0.2	345.0	7.8	--	219.0	8-20-69
37.3847	77.2789	087	217PPSC	52H 1	CURLES NECK FARM	1.4	2.0	78.0	--	142.0	9.7	38.0	39.0	--	--	0.20	--	0.1	--	-	--	238.0	11- 7-47
37.3894	77.2881	087	217PPSC	52H 6	CURLES NECK FARM	0.4	0.4	78.0	8.1	141.0	11.0	34.0	39.0	--	--	--	2.20	0.2	370.0	7.2	--	242.0	11-27-72
37.4267	77.3708	087	217PPSC	52H 4	NPS FT HARRISON	20.0	1.2	9.0	7.0	89.0	7.6	3.5	28.0	--	--	0.10	--	0.1	175.0	6.9	--	120.0	8-20-69
37.4297	77.3078	087	217PPSC	52H 7	TEPPER, J	0.2	0.1	64.0	0.4	135.0	11.0	7.8	35.0	--	--	2.10	0.30	0.2	275.0	6.9	--	187.0	11-27-72
37.4353	77.2350	087	217PPSC	53H 2	GLENDALE NAT CEM	28.0	10.0	24.0	24.0	219.0	6.9	3.0	31.0	--	--	0.10	--	0.3	390.0	7.7	--	235.0	11-27-72
37.4439	77.3550	087	217PPSC	52H 5	VARINA ELEM SCH	3.8	0.6	16.0	2.7	44.0	6.6	5.2	21.0	--	--	0.10	--	0.3	91.0	6.7	--	78.0	8-20-69
37.4439	77.3550	087	217PPSC	52H 5	VARINA ELEM SCH	3.1	1.2	13.0	3.4	36.0	6.8	4.6	45.0	--	--	--	0.37	0.4	104.0	6.7	--	96.0	11-27-72
37.4728	77.3764	087	217PPSC	51H 5	VARINA H S	82.0	12.0	1400.0	4.7	54.0	140.0	2200.0	0.7	--	--	--	--	0.9	7400.0	8.3	--	3870.0	12- 1-70
37.4831	77.3678	087	217PPSC	52H 8	HENRICO COUNTY	43.0	4.2	17.0	6.2	190.0	8.2	5.0	22.0	--	--	0.30	--	0.1	321.0	8.0	--	199.0	8-20-69
37.5114	77.2328	087	217PPSC	53J 1	V R SHPRD	6.7	2.3	57.0	--	164.0	8.1	4.0	16.0	--	--	0.50	--	0.4	--	-	--	176.0	11- 4-47
37.5517	77.3881	087	217PPSC	51J 8	GLENWOOD GOLF COU	26.0	5.3	21.0	14.0	158.0	11.0	2.2	15.0	--	--	0.10	--	0.2	288.0	6.8	--	173.0	8-20-69
37.5661	77.3572	087	217PPSC	52J 9	MOSMILLER NURSRY	5.8	2.0	60.0	16.0	177.0	14.0	3.0	18.0	--	--	0.50	--	0.3	330.0	7.7	--	207.0	12- 1-72
37.1975	76.6106	095	*	58F 15	DOW BADISCHE 6	3.0	1.1	402.0	16.0	416.0	35.0	360.0	21.0	--	--	--	--	2.7	1860.0	8.1	--	1047.0	10-27-69
37.1975	76.6106	095	*	58F 15	DOW BADISCHE 6	3.3	1.1	420.0	10.0	420.0	33.0	400.0	24.0	20.0	--	--	0.77	2.4	1890.0	6.9	21.0	1100.0	6- 2-78
37.1975	76.6106	095	*	58F 15	DOW BADISCHE 6	3.8	1.3	400.0	10.0	415.0	38.0	370.0	24.0	--	--	--	0.76	2.9	1870.0	7.9	21.5	1060.0	8- 2-71
37.2350	76.6453	095	*	57F 8	BUSCH GARDENS	3.3	1.1	390.0	11.0	420.0	33.0	310.0	18.0	60.0	--	0.10	0.64	2.2	1790.0	6.8	20.0	978.0	8- 2-77
37.2350	76.6453	095	*	57F 8	BUSCH GARDENS	3.3	1.1	380.0	10.0	420.0	28.0	330.0	18.0	50.0	--	--	0.58	2.3	1700.0	7.8	20.0	980.0	6- 2-78
37.2969	76.7383	095	*	57G 1	VA OW 1	18.0	1.3	10.0	1.5	76.0	0.6	10.0	1.0	--	--	0.10	--	0.1	155.0	7.9	15.0	80.0	3-29-72
37.2969	76.7383	095	*	57G 1	VA OW 1	9.6	1.2	390.0	8.0	353.0	38.0	453.0	33.0	--	--	--	--	1.2	--	8.1	--	1110.0	3-20-67
37.2108	76.6106	095	121CSPKU	58F 45	GIBSON BROTHERS	99.0	5.8	22.0	2.7	232.0	8.2	71.0	9.7	--	--	21.00	0.03	0.2	645.0	7.1	18.0	354.0	7-14-71
37.2336	76.6514	095	121CSPKU	57F 14	BUSCH GARDENS 2	55.0	1.1	4.8	1.8	160.0	11.0	4.3	9.9	20.0	--	0.10	--	0.1	300.0	6.9	22.0	167.0	6- 2-78
37.2336	76.6514	095	121CSPKU	57F 14	BUSCH GARDENS 2	17.0	1.4	4.4	5.8	51.0	9.4	5.5	3.0	160.0	--	--	0.03	0.1	109.0	8.8	15.0	72.0	12-12-77
37.2619	76.7428	095	121CSPKU	57G 27	CANTRBRY HIL SUBD	44.0	0.9	11.0	2.0	140.0	3.2	10.0	18.0	10.0	--	1.10	0.09	0.1	251.0	5.6	17.0	159.0	12-19-77

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
37.2619	76.7428	095	121CSPKU	57G 27 CANTRBRY HIL SUBD	46.0	0.7	4.3	2.0	140.0	2.2	5.2	16.0	10.0	--	0.80	0.06	0.1	220.0	5.1	17.0	146.0	8-11-77
37.2917	76.7233	095	121CSPKU	57G 38 ABERDEEN BARN	34.0	0.9	--	--	96.0	10.0	5.0	18.0	70.0	--	--	--	0.1	--	7.3	--	--	6-15-46
37.3683	76.7686	095	121CSPKU	56G 11 C&O RAILROAD	32.0	0.8	--	--	93.0	9.9	3.1	11.0	120.0	--	--	--	0.1	--	7.3	--	--	6-15-46
37.3800	76.8050	095	121CSPKU	56H 14 JMES CTY SER AUTH	83.0	3.9	--	--	246.0	12.0	20.0	10.0	--	--	--	--	--	--	7.5	--	--	11- 6-47
37.4428	76.7486	095	121CSPKU	57H 4 MIHALCOE	4.5	1.1	70.0	7.3	204.1	11.0	3.7	22.0	--	--	0.10	0.12	0.9	340.0	8.6	--	219.0	12- 7-72
37.2156	76.6181	095	124EOCN	58F 41 HOOKER, O H	3.8	1.6	380.0	13.0	444.0	38.0	330.0	20.0	--	--	--	0.64	3.2	1840.0	7.7	22.0	1010.0	7-15-71
37.2350	76.7492	095	124EOCN	57F 10 COLONY SUBD	7.2	3.4	130.0	11.0	260.0	5.5	69.0	31.0	10.0	--	1.50	0.03	1.1	626.0	6.4	16.0	388.0	12-19-77
37.2350	76.7492	095	124EOCN	57F 10 COLONY SUBD	7.3	3.4	130.0	12.0	260.0	5.2	68.0	35.0	50.0	--	1.50	--	1.1	655.0	6.3	18.0	392.0	8-11-77
37.2361	76.7586	095	124EOCN	56F 22 RALEIGH SQ SUBD	4.5	1.9	130.0	9.0	270.0	2.6	46.0	23.0	40.0	--	--	0.06	1.5	510.0	5.6	17.0	353.0	8-11-77
37.2361	76.7586	095	124EOCN	56F 22 RALEIGH SQ SUBD	4.8	1.9	120.0	8.5	270.0	4.3	44.0	24.0	30.0	--	1.10	0.03	1.2	572.0	6.3	17.0	343.0	12-19-77
37.2364	76.7517	095	124EOCN	56F 23 LAKEWOOD SUBD	6.9	3.3	140.0	12.0	260.0	6.1	74.0	35.0	20.0	--	1.30	--	0.9	690.0	6.7	18.0	408.0	8-11-77
37.2364	76.7517	095	124EOCN	56F 23 LAKEWOOD SUBD	7.6	3.4	140.0	11.0	260.0	6.5	77.0	30.0	220.0	--	1.50	0.03	1.1	644.0	6.8	18.0	407.0	12-19-77
37.2561	76.7589	095	124EOCN	57G 50 WILLOW OAKS SUBD	7.5	3.6	150.0	12.0	280.0	14.0	92.0	31.0	20.0	--	--	0.06	0.9	710.0	8.3	17.0	449.0	2- 5-79
37.2561	76.7589	095	124EOCN	57G 50 WILLOW OAKS SUBD	8.9	4.2	160.0	17.0	272.0	16.0	120.0	35.0	--	--	1.50	0.01	1.1	880.0	7.9	--	498.0	11-29-72
37.2619	76.7428	095	124EOCN	57G 26 CANTRBRY HIL SUBD	21.0	2.9	100.0	9.0	240.0	6.6	56.0	30.0	10.0	--	0.60	0.06	0.7	543.0	7.4	19.0	345.0	6- 1-78
37.2619	76.7428	095	124EOCN	57G 26 CANTRBRY HIL SUBD	10.0	4.3	140.0	13.0	270.0	13.0	78.0	37.0	30.0	--	0.90	--	1.0	745.0	6.2	18.0	431.0	8-11-77
37.2619	76.7428	095	124EOCN	57G 26 CANTRBRY HIL SUBD	9.1	4.4	140.0	11.0	280.0	14.0	78.0	32.0	30.0	--	1.30	0.03	1.0	703.0	6.5	18.0	429.0	12-19-77
37.3094	76.7600	095	124EOCN	56G 16 WINDSR FORST SUBD	8.9	2.5	50.0	8.0	170.0	6.0	4.2	44.0	30.0	--	--	0.09	0.6	296.0	8.4	16.5	208.0	12-21-77
37.3094	76.7600	095	124EOCN	56G 16 WINDSR FORST SUBD	10.0	2.8	46.0	9.5	160.0	5.9	4.3	44.0	50.0	--	--	0.03	0.6	320.0	6.3	16.0	202.0	8-19-77
37.3139	76.7461	095	124EOCN	57G 29 OLD TOWN ROAD	8.4	2.8	55.0	9.0	170.0	6.4	4.6	42.0	10.0	--	--	0.03	0.5	300.0	6.8	18.0	213.0	6- 1-78
37.3139	76.7461	095	124EOCN	57G 29 OLD TOWN ROAD	25.0	3.2	32.0	6.8	160.0	9.8	4.8	33.0	10.0	--	0.90	0.03	0.4	310.0	6.5	19.0	195.0	8-19-77
37.3139	76.7461	095	124EOCN	57G 29 OLD TOWN ROAD	27.0	2.8	30.0	5.4	160.0	9.1	5.2	33.0	10.0	--	1.70	0.06	0.3	285.0	7.2	14.0	193.0	12-21-77
37.3181	76.7067	095	124EOCN	56G 6 FORST GLEN SUBD 1	16.0	2.7	38.0	7.5	150.0	6.7	3.8	35.0	10.0	--	0.10	0.03	0.4	282.0	8.1	16.5	184.0	12-21-77
37.3181	76.7067	095	124EOCN	56G 6 FORST GLEN SUBD 1	17.0	2.6	37.0	7.4	150.0	6.7	4.1	35.0	10.0	--	0.50	0.03	0.5	295.0	5.9	16.5	185.0	8-19-77
37.3192	76.7064	095	124EOCN	56G 3 FORST GLEN SUBD 2	48.0	1.1	2.4	1.4	130.0	10.0	2.6	13.0	10.0	--	0.90	--	0.1	265.0	6.9	15.0	143.0	8-19-77
37.3194	76.7619	095	124EOCN	56G 5 LONG HILL ROAD 1	14.0	3.5	41.0	8.8	160.0	8.0	3.4	44.0	60.0	--	1.60	0.03	0.6	298.0	6.7	16.0	204.0	8-19-77
37.3194	76.7619	095	124EOCN	56G 5 LONG HILL ROAD 1	15.0	3.7	39.0	8.1	150.0	7.4	4.5	43.0	160.0	--	1.20	0.03	0.5	281.0	8.0	15.5	197.0	12-21-77
37.3211	76.7353	095	124EOCN	57G 58 SOUTHERN MATERIAL	4.6	1.5	75.0	9.0	200.0	6.0	4.7	41.0	10.0	--	--	0.12	0.8	335.0	7.6	18.0	241.0	6- 1-78
37.3239	76.7578	095	124EOCN	56G 4 LONG HILL ROAD 2	39.0	1.8	3.6	2.2	120.0	10.0	2.8	16.0	10.0	--	0.10	--	0.1	240.0	6.7	15.0	135.0	8-19-77
37.3261	76.7372	095	124EOCN	57G 22 OLD STAGE MANOR	13.0	1.7	61.0	7.2	194.0	7.3	3.2	40.0	--	--	--	0.15	0.8	340.0	8.1	--	229.0	11-29-72
37.3392	76.7533	095	124EOCN	56G 49 JAMES-YORK DEVEL	20.0	4.7	30.0	7.7	158.0	8.0	4.8	48.0	--	--	--	--	0.5	285.0	7.6	21.0	202.0	7-12-71
37.3633	76.7697	095	124EOCN	56G 15 KRISTNS&NRGE SUBD	26.0	3.6	23.0	7.0	150.0	5.3	3.2	55.0	20.0	--	0.40	--	0.4	280.0	5.6	19.0	198.0	8-11-77
37.3636	76.7700	095	124EOCN	56G 9 NORGE ELEM SCHOOL	28.0	3.4	19.0	5.7	144.0	6.0	1.2	40.0	--	--	--	0.01	0.3	250.0	7.4	20.0	175.0	6-29-71
37.3669	76.7714	095	124EOCN	56G 14 NORGE WATER CO	28.0	3.5	21.0	6.5	150.0	5.9	10.0	52.0	10.0	--	--	--	0.3	280.0	6.7	16.0	201.0	5-16-78
37.3703	76.8139	095	124EOCN	56G 7 TOANO TOWN OF 2	34.0	1.1	3.3	1.5	93.0	9.8	3.5	17.0	10.0	--	--	--	0.1	205.0	6.7	15.5	116.0	8-19-77
37.3756	76.7119	095	124EOCN	57H 12 CHANDLER, C M	7.8	2.4	53.0	15.0	178.0	9.1	3.2	61.0	--	--	0.40	0.21	0.7	310.0	8.3	--	245.0	12- 7-72
37.3794	76.7947	095	124EOCN	56H 13 TOANO FLEA MARKET	37.0	2.7	14.0	5.9	148.0	9.8	3.0	53.0	--	--	0.40	--	0.2	285.0	7.4	--	199.0	11-29-72
37.3808	76.8067	095	124EOCN	56H 16 TOANO TOWN OF 1	37.0	2.3	12.0	4.8	140.0	6.6	3.2	51.0	10.0	--	--	0.18	0.2	265.0	7.0	17.5	186.0	6- 1-78
37.3808	76.8067	095	124EOCN	56H 16 TOANO TOWN OF 1	38.0	2.5	13.0	4.6	140.0	8.5	2.8	53.0	180.0	--	--	--	0.2	264.0	7.7	17.0	192.0	12-21-77
37.3808	76.8067	095	124EOCN	56H 16 TOANO TOWN OF 1	38.0	2.4	12.0	5.0	140.0	9.0	3.9	53.0	150.0	--	--	0.03	0.2	245.0	6.7	17.0	193.0	8-19-77
37.3814	76.8083	095	124EOCN	56H 9 JAMES CITY COUNTY	46.0	2.8	12.0	4.9	162.0	14.0	5.3	56.0	--	--	0.40	0.01	0.2	300.0	7.5	25.5	222.0	7-15-71
37.3861	76.6869	095	124EOCN	57H 6 RIVERVW PLANTATN	4.4	0.9	93.0	7.0	252.3	11.0	7.9	38.0	--	--	20.00	0.23	0.9	415.0	8.6	--	278.0	12- 7-72
37.3861	76.6869	095	124EOCN	57H 6 RIVERVW PLANTATN	7.2	1.0	97.0	7.8	257.4	11.0	9.9	27.0	--	--	0.80	--	0.9	445.0	8.7	--	283.0	8-11-69
37.3861	76.7075	095	124EOCN	57H 7 COLLEGE OF W&M	11.0	3.2	45.0	13.0	162.0	8.9	4.0	66.0	--	--	0.40	0.02	0.6	285.0	7.9	--	232.0	1- 5-73
37.3967	76.7886	095	124EOCN	56H 8 STUCKEYS RESTUART	30.0	3.3	19.0	8.0	156.0	6.6	2.4	52.0	--	--	0.60	0.02	0.3	295.0	7.7	--	199.0	11-29-72
37.3986	76.7522	095	124EOCN	56H 7 DEPT OF HIGIWAYS	25.0	3.5	24.0	8.9	152.0	7.1	2.4	60.0	--	--	0.70	0.10	0.4	260.0	8.1	--	207.0	2- 7-72
37.4003	76.7458	095	124EOCN	57H 15 WOODLAND FARMS	18.0	3.7	33.0	10.0	164.0	5.4	4.1	51.0	--	--	0.30	0.30	0.5	265.0	8.1	--	208.0	12- 7-72
37.4342	76.8314	095	124EOCN	56H 15 HAZELWOOD, DONALD	37.0	2.6	20.0	6.3	168.0	8.3	4.0	66.0	--	--	0.40	0.05	0.2	288.0	8.0	--	228.0	12- 1-72
37.2144	76.6178	095	125PLCN	58F 42 HICKRY GRVE TRL C	3.8	1.8	380.0	12.0	431.0	41.0	350.0	19.0	--	--	0.50	0.62	3.0	1900.0	7.9	24.0	1020.0	7-15-71
37.2281	76.7914	095	125PLCN	56F 39 JMESTWN 4-H CAMP	0.5	0.3	130.0	7.0	338.0	9.8	7.9	22.0	--	--	--	1.40	3.5	550.0	8.0	24.0	348.0	7- 1-71
37.2594	76.7503	095	125PLCN	56G 13 SYDNR-INDIGO PK 1	9.3	4.2	150.0	13.0	270.0	15.0	100.0	33.0	30.0	--	--	0.09	0.9	772.0	8.3	17.0	459.0	2- 5-79
37.2594	76.7503	095	125PLCN	56G 13 SYDNR-INDIGO PK 1	8.5	4.2	150.0	14.0	270.0	14.0	100.0	31.0	--	--	0.60	--	1.1	800.0	7.9	22.0	456.0	7- 8-71
37.2658	76.8744	095	125PLCN	56G 44 HOLIDAY INN TR PK	0.8	0.5	100.0	4.8	241.0	6.2	11.0	38.0	--	--	--	2.50	5.5	460.0	8.0	21.0	287.0	7-14-71
37.2681	76.8706	095	125PLCN	56G 47	0.8	0.2	100.0	5.4	245.1	8.3	9.2	44.0	--	--	--	2.30	4.8	440.0	8.4	--	293.0	12- 1-72
37.2833	76.7917	095	125PLCN	56G 50 HOLIDAY INN CAMP	0.8	0.5	100.0	4.6	237.0	8.0	12.0	38.0	--	--	--	2.60	5.5	458.0	7.9	26.5	288.0	7-14-71
37.1764	76.6150	095	211CRCSU	58F 16 DOW BADISCHE 4	2.1	0.7	314.0	13.0	420.3	25.0	235.0	21.0	--	--	--	--	3.1	1410.0	8.5	--	816.0	10-27-69
37.1764	76.6150	095	211CRCSU	58F 16 DOW BADISCHE 4	2.1	0.7	314.0	13.0	420.3	25.0	235.0	21.0	--	--	0.10	--	3.1	1410.0	8.5	--	816.0	10-27-69
37.1764	76.6150	095	211CRCSU	58F 16 DOW BADISCHE 4	2.8	1.1	320.0	9.4	413.0	27.0	240.0	26.0	--	--	0.10	0.97	3.2	1460.0	7.9	21.0	834.0	7-14-71
37.1836	76.6167	095	211CRCSU	58F 22 DOW BADISCHE 3	2.0	1.2	300.0	9.1	407.0	30.0	250.0	23.0	--	--	--	0.97	3.6	1460.0	7.8	24.0	820.0	7-14-71
37.1836	76.6167	095	211CRCSU	58F 22 DOW BADISCHE 3	2.5	0.8	314.0	13.0	422.4	26.0	250.0	20.0	--	--	0.10	--	3.0	1465.0	8.5	--	831.0	10-27-69

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
37.1894	76.6078	095	211CRCSU	58F 23 DOW BADISCHE 5	3.6	1.9	400.0	12.0	417.0	41.0	370.0	24.0	--	--	0.10	0.76	2.6	1950.0	7.8	22.0	1060.0	7-14-71
37.1894	76.6078	095	211CRCSU	58F 23 DOW BADISCHE 5	3.3	1.2	402.0	17.0	412.0	34.0	367.0	21.0	--	--	--	--	2.6	1850.0	8.1	--	1051.0	10-27-69
37.1906	76.6189	095	211CRCSU	58F 24 DOW BADISCHE 2	2.7	0.9	314.0	13.0	410.0	28.0	252.0	20.0	--	--	0.10	--	2.9	1490.0	8.0	--	836.0	10-27-69
37.1906	76.6189	095	211CRCSU	58F 24 DOW BADISCHE 2	2.8	1.1	320.0	9.7	415.0	29.0	250.0	25.0	--	--	0.20	0.93	3.2	1500.0	7.8	22.0	846.0	7-14-71
37.2061	76.6222	095	211CRCSU	58F 33 CARTERS GROVE	3.0	1.1	350.0	13.0	426.0	36.0	290.0	19.0	--	--	0.20	0.64	3.0	1600.0	7.8	24.0	925.0	6-29-71
37.2078	76.7786	095	211CRCSU	56F 11 VPVA JAMESTOWN IS	1.4	0.3	120.0	5.6	310.0	6.2	3.5	25.0	30.0	--	0.60	1.10	2.7	585.0	7.1	20.0	319.0	8- 2-77
37.2078	76.7786	095	211CRCSU	56F 11 VPVA JAMESTOWN IS	1.4	0.4	120.0	5.7	300.0	8.2	3.6	24.0	50.0	--	0.60	1.10	2.5	481.0	8.0	11.0	315.0	12-12-77
37.2092	76.7778	095	211CRCSU	56F 12 JAMESTOWN VIS CTR	0.7	0.3	150.0	7.3	335.0	9.0	34.0	25.0	--	--	--	1.30	3.5	650.0	7.9	22.0	396.0	7-20-71
37.2108	76.6106	095	211CRCSU	58F 46 WINDY HILL TLR CT	4.2	1.4	400.0	11.0	431.0	39.0	370.0	21.0	--	--	0.70	0.70	2.9	1950.0	7.8	20.0	1060.0	8- 2-71
37.2108	76.6106	095	211CRCSU	58F 44 GIBSON BROTHERS	4.8	1.4	410.0	12.0	428.0	40.0	380.0	22.0	--	--	0.50	0.01	2.9	2000.0	7.8	23.5	1080.0	7-14-71
37.2139	76.6144	095	211CRCSU	58F 38 HITCHENS, MYERS 2	30.0	2.2	270.0	8.7	373.0	27.0	240.0	21.0	--	--	--	--	2.0	1400.0	7.7	16.5	785.0	7-14-71
37.2142	76.5994	095	211CRCSU	58F 40 VA DHW SKIFFES CR	5.5	1.3	490.0	13.0	480.0	62.0	420.0	14.0	500.0	--	--	--	2.4	2140.0	8.5	11.0	1250.0	5-16-78
37.2197	76.7767	095	211CRCSU	56F 1 NATIONAL PARK SER	22.0	10.0	180.0	13.0	258.0	2.0	200.0	6.8	--	--	4.90	0.02	1.8	1000.0	7.4	13.0	568.0	4-27-72
37.2197	76.7767	095	211CRCSU	56F 1 NATIONAL PARK SER	33.0	14.0	190.0	15.0	250.0	1.6	240.0	3.4	10.0	--	2.30	--	0.9	1210.0	6.4	13.0	623.0	2- 2-79
37.2206	76.7667	095	211CRCSU	56F 15 NPS JMESTWN MAINT	1.0	0.2	160.0	7.5	360.0	10.0	40.0	27.0	150.0	--	0.60	1.30	3.1	740.0	7.3	20.0	428.0	8- 2-77
37.2253	76.7661	095	211CRCSU	56F 21 POWHATAN SHORES 2	1.3	0.4	140.0	5.0	350.0	6.1	9.3	19.0	150.0	--	--	1.30	2.9	550.0	8.3	17.0	358.0	12-21-77
37.2253	76.7661	095	211CRCSU	56F 21 POWHATAN SHORES 2	1.4	0.4	140.0	6.0	340.0	5.8	9.9	20.0	100.0	--	--	1.30	3.5	595.0	7.6	17.0	356.0	8-19-77
37.2253	76.7661	095	211CRCSU	56F 21 POWHATAN SHORES 2	3.2	1.1	140.0	6.7	330.0	4.0	17.0	13.0	20.0	--	0.90	0.31	2.7	555.0	7.7	22.0	352.0	6- 2-78
37.2286	76.6689	095	211CRCSU	57F 7 BUSCH PROPERTIES	2.8	6.0	280.0	7.5	420.0	18.0	180.0	18.0	20.0	--	1.20	0.64	2.3	1190.0	6.7	20.0	723.0	8- 2-77
37.2314	76.7933	095	211CRCSU	56F 9 WHITE	0.8	0.5	120.0	4.3	273.0	12.0	19.0	35.0	--	--	--	2.10	3.8	525.0	8.0	21.0	332.0	7-12-71
37.2347	76.7750	095	211CRCSU	56F 18 JAMES CITY COUNTY	0.7	0.2	140.0	4.5	300.0	9.0	28.0	36.0	50.0	--	--	2.10	4.2	530.0	7.2	19.0	373.0	8-19-77
37.2347	76.7750	095	211CRCSU	56F 18 JAMES CITY COUNTY	0.6	0.2	140.0	4.1	300.0	8.2	27.0	35.0	10.0	--	--	2.10	3.8	545.0	7.6	17.5	369.0	12-21-77
37.2400	76.6531	095	211CRCSU	57F 9 ANHEUSER BUSCH	4.2	1.5	360.0	12.0	430.0	31.0	280.0	17.0	50.0	--	0.10	0.52	2.6	1600.0	7.0	20.0	922.0	8-11-77
37.2400	76.6531	095	211CRCSU	57F 9 ANHEUSER BUSCH	3.3	1.0	360.0	10.0	450.3	23.0	270.0	8.8	10.0	--	1.00	0.34	2.1	1510.0	8.8	15.0	902.0	12-12-77
37.2464	76.7764	095	211CRCSU	56F 19 ST. GEO HUND SUBD	1.9	0.6	200.0	8.0	400.0	11.0	61.0	18.0	10.0	--	--	0.67	2.7	800.0	8.2	18.0	501.0	12-21-77
37.2464	76.7764	095	211CRCSU	56F 19 ST. GEO HUND SUBD	1.9	0.6	190.0	8.2	400.0	11.0	60.0	19.0	40.0	--	--	0.61	2.5	845.0	7.4	17.0	491.0	8-19-77
37.2606	76.6683	095	211CRCSU	57G 21 SYDNR-JMES TERR 2	4.2	1.6	400.0	12.9	423.0	37.0	330.0	18.0	--	--	1.20	0.47	2.4	1950.0	8.0	--	1020.0	11-29-72
37.2639	76.6717	095	211CRCSU	57G 14 SYDNR-JMES TERR 1	3.7	1.5	400.0	12.8	427.0	37.0	320.0	19.0	--	--	0.20	0.46	2.5	1900.0	8.0	--	1010.0	11-29-72
37.2722	76.7350	095	211CRCSU	57G 37 BERKELEY JR H S	8.5	4.1	160.0	15.0	306.0	15.0	94.0	29.0	--	--	0.60	0.05	1.1	820.0	7.9	22.0	478.0	7- 8-71
37.3028	76.7917	095	211CRCSU	56G 8 PENINSULA SCOUT R	6.5	2.0	330.0	16.0	367.0	45.0	300.0	28.0	--	--	1.50	0.38	1.4	1570.0	8.1	--	911.0	12- 1-72
37.2211	76.7853	095	217PPSC	56F 14 JAMESTOWN GLASSHS	0.8	0.1	150.0	5.5	330.0	8.5	22.0	26.0	70.0	--	--	1.40	3.2	600.0	6.9	19.0	361.0	8- 2-77
37.2236	76.7853	095	217PPSC	56F 13 JMESTWN FSTIVL PK	1.1	0.4	120.0	7.1	313.0	5.6	3.5	23.0	--	--	--	1.10	3.0	500.0	8.0	21.5	319.0	7- 1-71
37.2236	76.7853	095	217PPSC	56F 13 JMESTWN FSTIVL PK	0.8	0.1	140.0	5.2	340.0	7.1	13.0	23.0	20.0	--	0.20	1.30	3.2	615.0	6.7	19.0	362.0	8- 2-77
37.2236	76.7853	095	217PPSC	56F 13 JMESTWN FSTIVL PK	1.0	0.2	140.0	4.7	340.0	7.8	12.0	22.0	60.0	--	--	1.30	3.4	535.0	8.5	17.5	360.0	1-27-78
37.2414	76.8106	095	217PPSC	56F 8 FIRST COLONY	7.9	3.9	140.0	13.0	264.0	8.0	83.0	32.0	--	--	0.70	--	1.0	700.0	8.0	13.5	420.0	7- 7-71
37.2414	76.8106	095	217PPSC	56F 8 FIRST COLONY	0.3	0.2	120.0	4.1	267.0	8.1	19.0	37.0	--	--	--	2.10	3.8	540.0	8.1	--	326.0	11-29-72
37.2658	76.8667	095	217PPSC	56G 21 MIDKIFF, DORTHEY	5.6	1.7	84.0	9.4	216.0	9.0	23.0	31.0	--	--	0.30	0.02	1.1	440.0	8.0	18.5	271.0	7-14-71
37.3869	76.8011	095	217PPSC	56H 20 JMES CTY SER AUTH	6.1	0.7	240.0	8.6	460.0	37.0	99.0	32.0	130.0	--	--	--	1.6	1050.0	7.6	11.0	652.0	2- 2-79
37.3869	76.8011	[illegible]	[illegible]PPSC	56H 21 JMES CTY SER AUTH	2.5	0.4	220.0	6.9	450.0	31.0	79.0	34.0	320.0	--	--	1.20	1.9	900.0	7.5	20.0	598.0	6-19-79
37.5397	76.[illegible]25	097	124[illegible]	57J 2 YORK ACADEMY	4.6	1.3	92.0	12.0	256.0	10.0	3.2	24.0	--	--	1.20	0.21	0.9	420.0	8.2	--	275.0	12- 8-72
37.6133	76.7825	097	125PLCN	56J 17 KING&QUEEN SCHOOL	14.0	6.8	43.0	10.0	188.0	7.2	3.1	37.0	--	--	1.10	0.02	0.6	320.0	7.9	--	215.0	8-12-71
37.6133	76.7825	097	125PLCN	56J 17 KING&QUEEN SCHOOL	13.0	6.0	48.0	14.0	190.0	7.3	3.7	40.0	--	--	1.00	0.10	0.5	325.0	8.2	--	227.0	12-20-72
37.7481	77.0564	097	211CRCSU	54K 8 TRICE, BENFORD	2.5	0.9	140.0	7.0	356.6	15.0	1.1	21.0	10.0	--	--	0.64	2.5	520.0	-	14.0	367.0	4-24-75
37.8236	77.0619	097	211CRCSU	54[illegible] 9 LAWSON ELEM SCH	1.1	0.5	100.0	8.6	261.1	13.0	1.5	16.0	--	--	0.30	0.44	1.2	435.0	8.4	--	269.0	12-20-72
37.5022	76.7156	097	217PPSC	57J 3 CHESAPEAKE CORP	1.8	0.8	200.0	8.4	457.0	23.0	42.0	33.0	--	--	--	1.10	1.8	839.0	8.2	--	537.0	5-28-70
37.5022	76.7156	097	217PPSC	57J 3 CHESAPEAKE CORP	2.6	0.7	200.0	8.6	463.1	23.0	42.0	32.0	10.0	--	--	0.95	1.8	859.0	8.3	--	538.0	5-28-70
37.7244	77.0244	097	217PPSC	54K 6 VA OW 64	0.6	0.2	8[illegible].0	4.9	220.0	11.0	1.5	30.0	--	--	0.10	1.60	1.5	390.0	8.0	20.0	243.0	8-12-71
37.7244	77.0244	097	217PPSC	54K 6 VA OW 64	1.4	0.6	99.0	5.0	236.0	13.0	0.8	26.0	--	--	0.50	1.00	2.0	400.0	8.0	--	265.0	8-25-72
37.5239	76.7614	097	217PTXN	56J 11 CHSAPKE CRP SOW[illegible]3	2.8	1.4	120.0	10.0	324.1	3.7	3.1	20.0	--	--	--	0.09	1.1	520.0	8.4	--	321.0	6-19-73
38.3786	77.0628	099		LIBERTY ROUTE 624	0.8	0.5	130.0	5.2	257.0	82.0	3.3	34.0	920.0	--	--	6.10	1.1	592.0	-	9.0	391.0	3- 4-75
37.6444	77.0014	101		FOX, FRED	0.3	0.1	67.0	4.6	170.0	15.0	1.9	30.0	--	--	0.40	0.24	0.6	290.0	7.9	18.5	204.0	8- 2-71
37.6542	77.0014	101		JOHNSON	0.5	0.2	120.0	7.4	323.0	8.8	3.7	31.0	--	--	0.10	1.20	2.8	530.0	8.1	24.0	335.0	8-10-71
37.6667	77.0014	101		DAVIS	3.9	1.2	62.0	10.0	166.0	19.0	1.4	21.0	--	--	--	--	0.5	300.0	8.2	20.0	201.0	8-13-71
37.5422	76.7992	101		* 56J 3 CHESAPEAKE CORP	0.8	0.2	181.0	--	429.0	14.0	17.0	27.0	--	--	--	--	2.0	718.0	8.2	19.0	453.0	6- 1-54
37.5422	76.7992	101		* 56J 3 CHESAPEAKE CORP	1.0	1.3	182.0	3.5	427.4	28.0	20.0	48.0	20.0	--	--	--	2.0	727.0	8.5	19.0	496.0	4- 2-52
37.5439	76.8053	101		* 56J 1 CHESAPEKE CORP OW	3.0	2.4	300.0	8.4	640.1	36.0	108.0	12.0	--	--	0.20	0.22	3.2	1400.0	8.4	17.0	774.0	3-23-70
37.5508	76.8125	101		* 56J 4 CHESAPEAKE CORP	1.4	0.6	230.0	4.7	525.0	16.0	39.0	34.0	--	--	--	0.70	2.7	1040.0	8.0	19.0	587.0	10-18-72
37.5508	76.8125	101		* 56J 4 CHESAPEAKE CORP	0.8	0.2	180.0	5.2	426.0	14.0	17.0	25.0	--	--	--	1.20	2.5	780.0	8.0	--	455.0	10-23-72
37.5508	76.8125	101		* 56J 4 CHESAPEAKE CORP	1.2	0.5	180.0	5.3	423.0	14.0	19.0	25.0	--	--	--	0.94	2.5	805.0	8.0	19.0	457.0	10-18-72
37.5508	76.8125	101		* 56J 4 CHESAPEAKE CORP	1.4	0.6	240.0	4.6	546.0	20.0	48.0	34.0	--	--	--	--	2.7	1120.0	7.9	19.0	620.0	10-18-72

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
37.5547	76.8170	101	*	56J 14 CHESAPEAKE CORP	0.7	0.2	180.0	4.9	437.0	12.0	16.0	27.0	10.0	--	--	0.36	2.9	760.0	8.2	20.0	460.0	7-27-73
37.5789	76.9486	101	124EOCN	55J 7 COHOKE FISHING CLB	23.0	6.9	30.0	12.0	200.0	7.9	2.4	50.0	--	--	0.30	0.19	0.4	330.0	8.3	--	241.0	12- 8-72
37.6397	76.9003	101	124EOCN	55K 4 UPSHAW W M	36.0	11.0	15.0	12.0	210.0	7.1	2.9	51.0	--	--	0.10	--	0.4	350.0	7.7	--	238.0	12-20-72
37.6531	76.8970	101	124EOCN	55K 5 LOVE, R B	31.0	9.0	28.0	14.0	216.0	2.7	5.1	48.0	--	--	0.60	0.04	0.4	360.0	8.1	--	245.0	12-20-72
37.7044	76.9886	101	124EOCN	55K 3 CLEMENTS, E W	42.0	6.4	19.0	12.0	222.0	6.9	2.5	71.0	--	--	0.10	--	0.3	340.0	8.2	--	269.0	12- 8-72
37.6550	77.0778	101	125PLCN	54K 13 WILLIAMS, JOHN R	32.0	16.0	24.0	16.0	216.0	32.0	2.9	47.0	--	--	--	--	0.5	400.0	7.6	23.0	276.0	8- 3-71
37.7975	77.3319	101	125PLCN	52L 2 GREENWAY KIWANIS	23.0	5.2	7.9	6.0	104.0	10.0	3.3	30.0	--	--	0.10	0.03	0.2	192.0	6.9	18.0	137.0	6-22-70
37.5308	76.7975	101	211CRCSU	56J 7 WEST POINT, TOWN	1.8	0.6	181.0	6.6	458.0	12.0	11.0	21.0	50.0	--	--	--	3.1	--	-	--	463.0	2-10-41
37.5308	76.7975	101	211CRCSU	56J 7 WEST POINT, TOWN	1.4	0.5	180.0	10.0	451.0	13.0	8.2	17.0	--	--	0.10	0.02	2.6	750.0	8.3	18.5	456.0	8-10-71
37.5653	76.9539	101	211CRCSU	55J 8 WORSHAM, WES	2.3	0.8	110.0	8.7	295.0	7.8	2.6	29.0	--	--	0.10	1.10	2.6	490.0	8.0	24.0	310.0	8- 4-71
37.5694	76.9553	101	211CRCSU	55J 11 EDWARDS, J W	25.0	8.7	35.0	12.0	212.0	7.0	4.4	44.0	--	--	--	--	0.5	350.0	7.7	24.0	241.0	8- 4-71
37.5831	76.8506	101	211CRCSU	56J 10 VA STATE POLICE	1.3	0.3	110.0	4.8	296.1	8.1	2.6	33.0	--	--	--	1.80	1.8	480.0	8.4	--	309.0	12- 7-72
37.5794	76.9475	101	217PPSC	55J 9 COHOKE FISHING CLB	24.0	10.0	30.0	10.0	198.0	7.0	3.0	45.0	--	--	--	--	0.5	320.0	7.6	21.0	226.0	8- 4-71
37.5906	76.9897	101	217PPSC	55J 10 PRINCE, E M	0.2	0.1	90.0	4.7	226.0	9.2	2.6	34.0	--	--	0.20	1.80	1.7	370.0	8.0	24.0	256.0	8- 3-71
37.6292	77.0014	101	217PPSC	54L 7 AYLETT LUMBER MLL	0.4	0.2	60.0	3.6	151.0	14.0	1.2	38.0	--	--	0.30	0.50	0.5	270.0	8.2	--	193.0	12- 8-72
37.6353	77.1125	101	217PPSC	54K 9 HORSELEY, MRS G W	2.0	0.6	93.0	9.7	245.0	10.0	3.0	26.0	--	--	--	1.10	2.2	400.0	8.0	22.0	268.0	8-12-71
37.6767	77.1692	101	217PPSC	53K 7 MARTIN, JOHN H	--	--	80.0	--	197.0	16.0	1.0	--	--	--	--	--	0.5	--	-	--	--	12-30-43
37.6883	77.1786	101	217PPSC	53K 9 TOWNSEND, W G	0.5	0.2	69.0	5.3	176.0	16.0	1.8	30.0	--	--	--	0.26	0.5	300.0	8.1	21.0	211.0	8-13-71
37.6883	77.1786	101	217PPSC	53K 9 TOWNSEND, W G	0.6	0.2	70.0	5.2	178.0	17.0	1.0	37.0	--	--	0.10	0.34	0.5	310.0	8.3	--	220.0	12- 8-72
37.6986	77.1069	101	217PPSC	53K 10 TOWNSEND, J F	0.9	0.3	68.0	5.6	180.0	12.0	0.8	36.0	--	--	--	0.11	0.4	305.0	7.7	--	213.0	1- 5-73
37.6989	77.1664	101	217PPSC	53K 11 HUGHES, W H	1.7	0.6	74.0	8.6	204.0	13.0	2.3	24.0	--	--	0.20	0.11	0.7	355.0	7.9	22.0	225.0	8-12-71
37.7089	77.1528	101	217PPSC	53K 13 ABRAMS, T M	8.4	3.0	75.0	12.0	238.0	12.0	2.7	26.0	--	--	0.10	0.01	0.9	380.0	7.9	18.5	257.0	8-13-71
37.7089	77.1547	101	217PPSC	53K 12 J E TOWNSEND&SONS	1.9	0.6	74.0	7.6	198.0	13.0	2.1	27.0	--	--	--	0.18	0.6	340.0	8.0	20.0	224.0	8-13-71
37.7133	77.1578	101	217PPSC	53K 14 ADAMS, W O	0.8	0.3	72.0	5.7	188.0	13.0	1.8	2.9	--	--	--	0.18	0.6	330.0	8.0	18.5	215.0	8-11-71
37.7194	77.1600	101	217PPSC	53K 15 CLEMENTS, E W	1.4	0.5	76.0	8.3	204.0	13.0	1.4	23.0	--	--	--	0.10	0.9	350.0	8.0	22.0	225.0	8-11-71
37.7422	77.1297	101	217PPSC	53K 8 KING WILLIAM H S	1.0	0.4	67.0	5.4	165.0	14.0	1.2	32.0	--	--	0.40	0.42	0.6	300.0	8.0	--	203.0	12-21-72
37.7422	77.1297	101	217PPSC	53K 8 KING WILLIAM H S	1.1	0.3	62.0	4.7	156.0	16.0	1.9	16.0	--	--	--	0.12	0.7	280.0	8.2	22.0	180.0	8- 7-71
37.7464	77.0808	101	217PPSC	54K 12 FITZGERALD, W N	0.2	0.2	70.0	3.6	174.0	13.0	2.4	31.0	--	--	--	1.10	0.9	300.0	8.0	16.5	208.0	8- 2-71
37.7853	77.1050	101	217PPSC	54L 6 SOUTHSIDE BANK	1.7	0.1	64.0	3.1	159.0	15.0	1.5	31.0	210.0	--	0.04	0.31	0.5	215.0	-	11.7	196.0	1-20-75
37.7867	77.1053	101	217PPSC	54L 4 LEWIS, ROBERTA B	0.2	0.1	63.0	3.5	160.0	14.0	1.6	30.0	--	--	--	0.26	0.5	280.0	7.9	20.0	192.0	8- 2-71
37.7867	77.1200	101	217PPSC	54L 8 DECKER, F	0.3	0.2	62.0	4.6	162.0	13.0	1.6	28.0	--	--	0.10	0.22	0.5	280.0	7.8	22.0	190.0	8- 2-71
37.8006	77.1103	101	217PPSC	54L 2 TARRANT FOX	0.4	0.1	70.0	4.6	168.0	14.0	1.4	28.0	--	--	0.20	0.14	0.5	285.0	8.0	25.5	202.0	8- 2-71
37.8075	77.1364	101	217PPSC	53L 1 HERRING CREEK MLL	2.2	0.7	66.0	9.5	181.0	15.0	1.3	23.0	--	--	0.50	0.38	0.5	320.0	8.3	--	208.0	12- 8-72
37.5547	76.8170	101	217PTXN	56J 13 CHESAPEAKE CORP	3.4	0.4	350.0	4.7	644.0	39.0	160.0	19.0	--	--	--	0.09	3.8	1500.0	8.1	24.0	897.0	7-27-73
37.6953	77.0364	101	217PTXN	54K 14 HAMILTON H S	1.5	0.5	100.0	11.0	286.0	11.0	2.3	16.0	--	--	0.10	0.28	1.2	460.0	8.3	--	285.0	8-11-71
37.7033	76.3858	103	*	59K 19 KILMARNOCK 3 TOWN	0.6	0.2	200.0	4.7	463.3	29.0	9.3	14.0	10.0	--	--	1.20	3.7	800.0	8.3	18.5	490.0	12- 4-79
37.6553	76.4211	103	124EOCN	59K 16 VIRGINIA SEAFOOD	3.9	2.8	248.0	--	665.3	3.7	16.0	57.0	50.0	--	--	--	--	--	-	--	659.0	7- 3-18
37.7022	76.3564	103	124EOCN	60K 8 MENHADEN PRODUCTS	4.1	1.8	230.0	--	605.4	6.9	4.5	53.0	80.0	--	--	--	--	--	-	--	598.0	7- 5-18
37.7781	76.5139	103	124EOCN	58L 2 SYDNOR, LIVELY TN	5.2	2.4	148.0	--	374.0	11.0	4.0	25.0	--	--	0.60	--	1.8	634.0	8.4	--	382.0	6- 9-48
37.6283	76.4014	103	125PLCN	59K 11 ROBBINS, M M	3.2	2.3	265.0	--	595.9	46.0	40.0	27.0	70.0	--	--	--	--	--	-	--	677.0	7- 5-18
37.6317	76.3483	103	125PLCN	60K 10 CLAYTON ICE CO.	4.5	1.7	271.0	--	470.5	51.0	113.0	13.0	50.0	--	--	--	3.4	--	-	--	689.0	6- 9-48
37.6172	76.2919	103	211CRCSU	60J 5 WNDMLL PT MAR LDG	5.1	1.1	440.0	15.0	435.0	73.0	390.0	12.0	10.0	--	2.50	0.74	2.5	2150.0	8.0	--	1160.0	1-19-76
37.6172	76.2919	103	211CRCSU	60J 5 WNDMLL PT MAR LDG	2.8	1.0	430.0	13.0	436.0	69.0	370.0	11.0	30.0	--	--	0.15	3.2	1950.0	8.2	--	1120.0	7-31-73
37.6178	76.3619	103	211CRCSU	60J 4 SANDERS, W E	1.2	0.4	320.0	7.5	519.3	61.0	150.0	12.0	10.0	--	1.40	0.37	3.9	1200.0	-	18.0	814.0	10- 9-75
37.6553	76.4228	103	211CRCSU	59K 13 WILLING, B	1.4	0.6	241.0	--	577.5	29.0	12.0	12.0	40.0	--	--	--	3.4	951.0	8.7	--	504.0	6- 9-48
37.6792	76.3769	103	211CRCSU	59K 3 HERNDON, R	1.9	0.7	193.0	4.9	475.1	33.0	8.3	13.0	--	--	0.60	--	2.8	817.0	8.7	--	492.0	5-15-53
37.7053	76.3656	103	211CRCSU	60K 9 KILMARNOCK TOWN	2.7	1.4	205.0	--	497.3	34.0	10.0	34.0	60.0	--	--	--	--	--	-	--	532.0	7- 5-18
37.7136	76.3836	103	211CRCSU	59K 1 VA OW 15 KILMARNK	2.6	1.4	14.0	13.0	71.3	0.2	3.2	0.7	--	--	0.30	0.02	0.2	124.0	9.5	15.5	67.0	4- 4-72
37.7736	76.4711	103	211CRCSU	59L 4 SYDNR-LANCSTR C H	3.0	1.2	190.0	9.3	499.9	3.1	3.5	16.0	10.0	--	1.10	0.37	1.8	810.0	8.3	15.5	476.0	12- 4-79
37.3236	76.2742	115	121CSPKU	60G 3 SYDNR CHES SHRE 2	150.0	11.0	130.0	8.6	280.4	36.0	290.0	39.0	1400.0	--	--	0.15	0.3	1550.0	7.4	15.5	805.0	12-18-79
37.4694	76.3028	115	121CSPKU	60H 3 MORTON, S	57.0	3.9	22.0	3.0	195.1	2.1	34.0	30.0	940.0	--	--	0.15	0.2	420.0	7.5	13.0	249.0	12-18-79
37.4694	76.3028	115	121CSPKU	60H 3 MORTON, S	28.0	16.0	35.0	--	193.0	13.0	28.0	--	--	--	--	--	--	--	-	--	--	6- 1-18
37.5239	76.3881	115	121CSPXU	59J 7 SYDNOR COBBS CK	55.0	6.4	13.0	5.0	207.3	2.9	12.0	24.0	270.0	--	--	0.12	0.2	385.0	7.6	15.5	221.0	12-18-79
37.4333	76.3222	115	211CRCSU	60H 2 MATHEWS COUNTY	17.0	20.0	351.0	--	800.0	9.5	156.0	--	--	--	--	--	--	--	-	--	--	6- 1-18
37.6069	76.4631	119	122CSPK	59J 9 BENNETT, C M	0.7	0.5	192.0	9.6	500.4	21.0	7.4	12.0	--	--	0.40	--	2.1	840.0	8.5	--	486.0	1-13-70
37.5336	76.4367	119	124EOCN	59J 6 ROYAL AMBASS CAMP	64.0	0.8	4.5	0.9	190.0	15.0	7.8	11.0	70.0	--	--	--	0.1	360.0	7.4	--	197.0	7-16-73
37.7267	76.6181	119	124EOCN	58K 2 WTERVEW PACKNG CO	7.2	3.7	113.0	--	323.0	5.5	2.5	20.0	--	--	0.50	--	0.9	--	-	--	312.0	5-15-46
37.5497	76.3203	119	211CRCSU	60J 6 THOMASON, A N	9.0	20.0	1646.0	--	1051.0	234.0	1820.0	57.0	8000.0	--	--	--	--	--	-	--	4310.0	6- 1-18
37.6061	76.5225	119	211CRCSU	58J 9 BARNHARDT 2A	0.6	0.5	198.0	9.5	510.5	23.0	8.9	12.0	--	--	0.80	--	2.2	880.0	8.5	--	500.0	1-13-70
37.6061	76.5225	119	211CRCSU	58J 9 BARNHARDT 2A	5.1	2.3	472.0	23.0	448.0	56.0	464.0	17.0	--	--	0.10	--	2.5	2350.0	8.0	--	1262.0	1-13-70

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
37.6222	76.5600	119	211CRCSU	58J 6 BARNHARDT 1	0.5	0.5	200.0	9.0	508.7	27.0	11.0	12.0	--	--	0.10	--	2.2	880.0	8.7	--	502.0	1-13-70
37.6339	76.5672	119	211CRCSU	58K 7 ROSE GILL FARM	0.6	0.4	106.0	9.2	488.3	22.0	6.6	11.0	--	--	0.40	--	2.1	840.0	8.4	--	475.0	1-13-70
37.6358	76.5736	119	211CRCSU	58K 1 VA OW 31 URBANNA	8.0	2.6	130.0	13.0	361.0	6.8	23.0	35.0	--	--	0.50	0.40	2.0	650.0	7.8	16.5	399.0	4- 4-72
37.6383	76.5783	119	211CRCSU	58K 6 URBANNA, TOWN OF	0.6	0.3	190.0	5.2	475.5	22.0	5.7	15.0	10.0	--	--	1.00	2.0	845.0	-	19.5	475.0	1-15-80
37.6383	76.5783	119	211CRCSU	58K 6 URBANNA, TOWN OF	0.6	0.4	182.0	9.0	480.1	19.0	7.7	12.0	--	--	0.70	--	2.1	830.0	8.3	--	468.0	1-13-70
37.6039	76.5622	119	217PTMC	58J 3 ST. CLARE WLKR HS	1.9	1.1	305.0	15.0	427.2	51.0	187.0	11.0	--	--	1.20	--	2.3	1430.0	8.4	--	783.0	1-13-70
36.6292	76.6333	123		ASTON W M JR.	--	1.6	188.0	8.8	469.4	7.0	19.0	15.0	--	--	0.70	1.90	4.6	775.0	8.5	--	472.0	9-28-70
36.6292	76.6333	123		ASTON W M JR.	1.2	0.6	188.0	9.0	478.0	5.0	7.6	14.0	--	--	0.40	1.40	4.7	720.0	3.2	--	467.0	8-19-70
36.6306	76.6333	123		ASTON W M JR	5.2	0.8	306.0	19.0	759.3	18.0	29.0	2.2	--	--	4.40	0.31	4.4	1325.0	8.4	--	757.0	9-28-70
36.6306	76.6333	123		ASTON W M JR	2.8	0.6	5.6	1.2	14.0	2.4	9.0	21.0	--	--	--	--	0.1	51.0	5.6	--	50.0	8-19-70
36.6319	76.6333	123		RUSSELL ALFRED	--	1.7	170.0	8.0	442.0	2.6	5.2	16.0	--	--	0.20	1.60	4.6	691.0	8.2	--	427.0	9-28-70
36.6375	76.6333	123		VA COOP EXT.SERV	1.8	0.6	238.0	12.0	593.0	8.2	11.0	12.0	--	--	1.60	1.10	4.7	880.0	8.1	--	583.0	8-11-70
36.6611	76.6333	123		BUSH WTR WRK ECLP	1.4	0.2	237.0	9.4	468.0	23.0	96.0	--	--	--	--	--	--	1060.0	7.8	--	--	7-15-69
36.6625	76.6333	123		HOLLAND WATER CO.	1.6	0.5	237.0	11.0	567.0	10.0	10.0	13.0	--	--	1.40	1.10	4.8	850.0	8.1	--	569.0	8-11-70
36.6736	76.6333	123		PRIDEN C T	0.6	1.8	166.0	8.3	448.0	5.6	6.8	14.0	--	--	--	1.90	4.8	710.0	8.2	--	430.0	9- 8-70
36.6764	76.6333	123		VA OW 44	32.0	21.0	11.0	100.0	315.0	37.0	2.1	39.0	--	--	2.80	4.90	0.8	550.0	7.0	18.5	408.0	2-28-72
36.7119	76.6594	123		WARD JOSEPH	0.8	0.4	182.0	9.4	434.0	9.8	15.0	18.0	--	--	0.20	--	3.8	735.0	8.1	--	452.0	7-28-69
37.5056	76.9097	127		UPP, E W	23.0	3.1	30.0	7.4	162.0	7.2	2.8	35.0	--	--	--	--	0.4	273.0	7.6	21.0	189.0	6-20-71
37.5069	76.9097	127		CHAPMAN, W G	30.0	3.0	23.0	6.4	164.0	7.0	3.0	40.0	--	--	--	--	0.5	283.0	7.6	--	194.0	6-20-71
37.5083	76.9097	127		TABERNACLE CHURCH	30.0	3.0	22.0	6.5	160.0	7.0	2.4	38.0	--	--	--	--	0.3	270.0	7.7	20.0	188.0	6-20-71
37.5097	76.9097	127		CHICKAHY PUMP STA	4.0	0.9	150.0	9.4	387.0	12.0	12.0	25.0	--	--	--	0.81	2.0	640.0	7.8	25.5	406.0	6-22-71
37.5111	76.9097	127		CHICKAHY OUTPOST	15.0	3.7	35.0	6.7	152.0	7.4	3.0	18.0	--	--	--	0.01	0.4	260.0	7.7	19.0	164.0	6-22-71
37.5125	76.9097	127		CHICKAHY OUTPOST	14.0	2.9	42.0	6.4	160.0	7.4	3.7	21.0	--	--	--	0.02	0.6	270.0	7.7	21.0	177.0	6-22-71
37.5167	76.9097	127			30.0	11.0	12.0	5.4	170.0	2.0	1.4	20.0	--	--	0.40	--	0.3	290.0	7.8	21.0	166.0	6-24-71
37.5181	76.9097	127		LEE, CARL	11.0	2.6	47.0	7.2	166.0	6.6	3.2	19.0	--	--	--	--	0.5	280.0	7.7	18.5	179.0	6-24-71
37.5194	76.9097	127		HOWE, NELLY	34.0	4.8	18.0	8.0	176.0	7.0	3.2	46.0	--	--	--	0.02	0.3	290.0	7.6	20.0	209.0	7- 8-71
37.5222	76.9097	127		RICHMOND, PAUL	13.0	4.4	48.0	9.0	184.0	10.0	3.4	32.0	--	--	--	0.03	0.7	320.0	7.9	16.5	210.0	7-21-71
37.5239	76.8250	127			14.0	4.0	42.0	11.0	173.0	3.4	2.8	35.0	--	--	0.40	--	0.5	282.0	8.2	--	198.0	10-27-69
37.4275	76.9933	127	*	55H 3 NEW KENT FORST CR	2.4	0.8	120.0	8.8	309.0	8.5	3.1	43.0	--	--	--	1.00	2.7	500.0	8.3	--	342.0	12- 6-72
37.4239	76.9014	127	124EOCN	55H 4 USPO LANEXA	13.0	3.6	30.0	9.9	144.0	3.7	2.9	48.0	--	--	0.60	0.16	0.5	240.0	7.8	--	183.0	12- 6-72
37.4450	76.8689	127	124EOCN	56H 2 NORF PRESBYTERY 2	25.0	3.2	27.0	8.7	152.0	6.8	6.4	53.0	--	--	0.20	0.01	0.4	260.0	7.9	--	206.0	12- 6-72
37.4458	76.8747	127	124EOCN	56H 1 NORF PRESBYTERY 1	24.0	3.2	28.0	8.6	156.0	7.9	4.2	57.0	--	--	0.40	0.02	0.4	265.0	7.9	--	211.0	12- 6-72
37.4539	76.8614	127	124EOCN	56H 3 BURRAGE, C	27.0	3.2	25.0	8.5	162.0	7.5	3.6	60.0	--	--	0.30	0.01	0.4	275.0	7.9	--	216.0	12- 6-72
37.4578	76.8072	127	124EOCN	56H 5 WINDY KNOLL FARM	33.0	3.0	22.0	6.4	160.0	7.3	3.8	49.0	--	--	0.30	0.01	0.3	284.0	7.9	--	204.0	12-20-72
37.5069	76.9061	127	124EOCN	55J 6 YMCA CAMP	15.0	5.1	34.0	8.8	168.0	4.8	2.6	38.0	--	--	0.10	0.03	0.4	280.0	8.3	--	191.0	12- 7-72
37.5156	76.9811	127	124EOCN	55J 4 NEW KENT H S	28.0	11.0	14.0	6.7	172.0	6.4	3.0	30.0	--	--	0.20	0.01	0.2	280.0	8.2	--	184.0	12- 7-72
37.5236	76.9097	127	124EOCN	54J 3 DEPT NAVAL RESCH	24.0	8.8	36.0	12.0	216.0	4.4	3.9	23.0	--	--	0.20	--	0.3	354.0	7.8	--	219.0	1-11-73
37.4969	76.8642	127	211CRCSU	56H 6 DEPT OF CORR CP16	4.2	1.5	160.0	12.0	426.1	13.0	20.0	27.0	--	--	0.40	0.94	2.2	730.0	8.4	--	449.0	12- 6-72
37.5236	76.8258	127	211CRCSU	56J 9 WASH. BURGESS INN	14.0	3.6	42.0	10.0	178.0	5.8	3.4	52.0	--	--	0.10	--	0.4	295.0	8.0	--	219.0	12- 7-72
37.5397	76.9408	127	217CRCSU	55J 1 LANGE, G	20.0	3.2	19.0	5.0	120.0	12.0	0.8	20.0	--	--	1.20	--	0.3	225.0	7.3	--	141.0	12- 7-72
37.5014	76.9097	127	217PPSC	53J 5 FIVE LAKES SUBD	1.2	0.2	60.0	6.2	146.0	14.0	1.5	29.0	--	--	--	--	0.5	300.0	7.9	--	185.0	10-27-69
37.5028	76.9097	127	217PPSC	53J 6 BROOKWOOD MANOR	4.0	0.4	59.0	6.2	176.1	11.0	1.9	25.0	--	--	0.20	0.27	0.5	300.0	8.6	20.0	194.0	6-17-71
37.5042	76.9097	127	217PPSC	53J 3 WALLACE	1.9	1.1	80.0	8.6	223.0	11.0	1.1	26.0	--	--	0.20	0.28	1.0	380.0	8.2	20.0	241.0	6-16-71
37.5139	76.9097	127	217PPSC	54H 5 DINNG, E P JR.	1.0	0.3	120.0	8.4	308.0	13.0	4.4	27.0	--	--	--	0.58	1.5	480.0	8.0	20.0	327.0	6-22-71
37.5153	76.9097	127	217PPSC	54H 8 BRENNEMAN, D C	1.5	0.5	92.0	8.6	246.0	13.0	2.1	30.0	--	--	0.10	0.22	1.1	399.0	7.9	18.5	270.0	6-24-71
37.5208	76.9097	127	217PPSC	53J 4 CHAPMAN, E T	0.4	0.5	54.0	4.8	140.0	17.0	1.7	35.0	--	--	--	0.10	0.3	265.0	7.8	18.5	183.0	6-17-71
37.1350	75.9550	131	110QRNR	63F 6 CAPE CHARLES 2	41.0	7.0	28.0	2.1	120.0	24.0	54.0	18.0	--	--	0.20	--	--	402.0	7.9	--	233.0	9-27-55
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	44.0	2.8	16.0	2.2	128.0	29.0	21.0	16.0	--	--	--	0.05	0.2	320.0	7.5	--	194.0	3-30-72
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	67.0	7.3	30.0	3.0	182.0	64.0	34.0	18.0	--	--	0.10	--	0.1	525.0	8.0	--	312.0	5-23-69
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	48.0	3.9	15.0	2.4	128.0	29.0	22.0	15.0	--	--	0.10	--	0.2	338.0	7.8	--	199.0	7-28-69
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	45.0	2.8	17.0	2.3	129.0	28.0	18.0	14.0	--	--	--	--	0.2	328.0	7.9	--	190.0	10-30-69
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	45.0	2.8	17.0	2.3	130.0	28.0	18.0	15.0	--	--	--	--	0.2	329.0	8.0	--	192.0	10-30-69
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	25.0	22.0	59.0	2.8	230.0	4.2	64.0	14.0	--	--	0.50	--	0.3	600.0	7.8	--	305.0	1-29-70
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	61.0	11.0	28.0	3.7	190.0	63.0	33.0	17.0	--	--	0.10	--	0.3	540.0	7.5	--	310.0	1-29-70
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	44.0	2.5	22.0	2.7	140.0	29.0	23.0	14.0	--	--	--	--	0.3	370.0	8.0	--	206.0	1-29-70
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	46.0	2.0	17.0	2.6	132.0	27.0	22.0	14.0	--	--	--	--	0.3	340.0	7.9	--	196.0	1-29-70
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	71.0	5.5	34.0	2.7	182.0	65.0	36.0	17.0	--	--	--	0.03	0.2	484.0	7.6	--	320.0	4-17-70
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	47.0	2.8	18.0	2.3	126.0	30.0	24.0	14.0	--	--	--	--	0.2	311.0	7.4	--	200.0	4-17-70
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	47.0	2.9	18.0	2.0	132.0	30.0	22.0	14.0	--	--	--	0.05	0.1	320.0	8.0	--	201.0	8-28-70
37.2683	76.0056	131	110QRNR	CAPE CHARLES TOWN	63.0	7.4	34.0	2.9	183.0	60.0	35.0	19.0	--	--	--	0.05	0.2	549.0	8.0	--	312.0	10-17-71

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
37.1825	75.9706	131	121CSPKU	63F 10 HOLIDAY INN	38.0	1.8	10.0	1.7	106.0	9.9	14.0	17.0	10.0	--	0.50	0.12	0.3	240.0	-	--	146.0	9-11-75
37.1997	75.9589	131	121CSPKU	63F 1 CAPEVILLE ELEM SC	42.0	2.8	15.0	2.1	136.0	5.0	21.0	11.0	--	--	--	0.06	0.1	299.0	7.8	17.5	169.0	10-26-70
37.2608	76.0206	131	121CSPKU	62G 9 BAYSHRE CONCRTE 1	53.0	19.0	140.0	26.0	178.0	11.0	250.0	15.0	10.0	--	4.30	0.03	0.3	900.0	-	--	607.0	10-17-75
37.2611	76.0225	131	121CSPKU	62G 8 BAYSHRE CONCRTE 3	34.0	22.0	95.0	26.0	178.0	13.0	170.0	15.0	10.0	--	4.10	--	0.2	690.0	-	--	467.0	10-17-75
37.2617	76.0209	131	121CSPKU	62G 10 BAYSHRE CONCRTE 2	52.0	21.0	140.0	26.0	185.0	10.0	250.0	17.0	10.0	--	5.60	0.03	0.4	900.0	-	--	613.0	10-17-75
37.2722	76.0094	131	121CSPKU	62G 4 CAPE CHARLES TOWN	49.0	2.6	18.0	2.5	137.0	32.0	24.0	16.0	--	--	--	0.05	0.2	350.0	7.6	--	211.0	1- 4-72
37.3681	75.9833	131	121CSPKU	63G 9 ACUFF, M	31.0	3.4	19.0	2.7	131.0	4.1	20.0	46.0	--	--	1.00	--	--	266.0	7.8	--	192.0	5-26-54
37.4039	75.9092	131	121CSPKU	63H 3 TW 2 MACHIPNGO HS	9.9	5.1	18.0	1.6	6.0	41.0	27.0	19.0	--	--	0.10	--	--	201.0	5.7	--	125.0	5-25-54
37.4761	75.8622	131	121CSPKU	64H 2 MEMORIAL HOSPITAL	42.0	3.3	10.0	3.8	117.0	23.0	15.0	17.0	10.0	--	0.10	0.03	0.2	340.0	-	23.0	172.0	9-24-75
37.4761	75.8622	131	121CSPKU	64H 2 MEMORIAL HOSPITAL	28.0	9.2	16.0	2.5	131.0	3.5	29.0	17.0	--	--	2.00	--	0.1	316.0	8.0	--	172.0	4- 5-55
37.5419	75.8206	131	121CSPKU	64J 2 EXMORE TOWN OF 1	22.0	9.4	51.0	11.0	231.0	3.0	14.0	28.0	--	--	0.70	--	0.4	401.0	7.5	--	254.0	10-27-69
37.5419	75.8206	131	121CSPKU	64J 2 EXMORE TOWN OF 1	25.0	8.9	55.0	13.0	236.0	3.4	15.0	28.0	--	--	4.50	--	0.4	442.0	8.1	--	269.0	1-29-70
37.5433	75.8192	131	121CSPKU	64J 7 EXMORE TOWN OF	36.0	3.9	43.0	10.0	222.2	1.6	15.0	30.0	--	--	2.90	0.14	0.2	360.0	8.0	--	252.0	9-10-70
37.8547	76.3369	133	124EOCN	60L 6 LILLIAN LUMBER CO	4.0	0.5	200.0	6.5	496.0	26.0	3.9	12.0	60.0	--	1.10	0.93	2.7	725.0	-	26.0	502.0	8-19-75
37.9686	76.5578	133	124EOCN	58M 1 SYNDR CALLAO TOWN	15.0	6.3	41.0	12.0	191.0	0.8	1.5	36.0	--	--	1.50	--	0.5	301.0	8.2	--	209.0	5-15-53
37.9964	76.4647	133	124EOCN	59M 3 LEWISETTA PACK CO	5.0	6.7	107.0	--	302.0	7.6	3.5	31.0	670.0	--	--	--	--	--	-	--	310.0	7- 5-18
37.9653	76.4222	133	125PLCN	59M 1 CLARK, A H	4.8	3.3	153.0	--	434.1	3.7	4.2	32.0	80.0	--	--	--	--	--	-	--	415.0	7- 2-18
37.8161	76.2731	133	211CRCSU	60L 3 SLAUGHTER, T C	0.7	0.4	185.0	--	423.1	32.0	13.0	15.0	--	--	0.50	--	2.4	742.0	8.3	--	457.0	6- 8-48
37.8161	76.2731	133	211CRCSU	60L 3 SLAUGHTER, T C	0.6	0.3	190.0	5.1	426.7	29.0	9.6	13.0	100.0	--	--	0.92	2.8	710.0	8.5	19.0	461.0	12- 3-79
37.8167	76.2819	133	211CRCSU	60L 12 FLEETON, TOWN OF	1.5	1.7	194.0	--	477.9	35.0	9.5	26.0	60.0	--	--	--	--	--	-	--	503.0	7- 2-18
37.8222	76.2786	133	211CRCSU	60L 13 LOWRY, J B	1.6	2.3	202.0	--	494.4	35.0	10.0	22.0	40.0	--	--	--	--	--	-	--	516.0	7- 2-18
37.8397	76.2772	133	211CRCSU	60L 18 BLUNDEN&HINTON 2	0.6	0.3	180.0	4.9	414.5	28.0	10.0	13.0	20.0	--	--	0.92	1.9	700.0	8.5	22.0	443.0	12- 3-79
37.8411	76.2756	133	211CRCSU	60L 1 BLUNDEN&HINTON	2.2	5.3	164.0	--	431.5	32.0	14.0	14.0	--	--	0.20	--	--	--	-	--	444.0	10-22-32
37.8442	76.2739	133	211CRCSU	60L 11 BRAY, R L	2.4	3.0	230.0	--	551.9	37.0	8.0	37.0	--	--	--	--	--	--	-	--	589.0	7- 1-18
37.8458	76.2689	133	211CRCSU	60L 16 HAYNIE, FRED	5.0	1.4	160.0	5.2	416.0	32.0	9.8	13.0	170.0	--	--	0.64	2.0	695.0	8.9	--	435.0	1-27-77
37.8508	76.2747	133	211CRCSU	60L 17 UPR REEDVLE WR WK	0.8	0.2	180.0	4.8	426.7	29.0	6.7	13.0	20.0	--	0.18	0.98	1.8	700.0	8.0	20.5	447.0	12- 3-79
37.9961	76.4639	133	211CRCSU	59M 2 LEWISETTA PACK CO	2.1	1.7	177.0	--	455.9	18.0	3.9	24.0	100.0	--	--	--	--	--	-	--	451.0	7- 5-18
38.0022	76.4633	133	211CRCSU	59N 1 GODDARD, LEONE	0.1	0.2	140.0	4.4	366.0	15.0	3.0	12.0	10.0	--	0.20	0.86	1.1	--	-	--	357.0	10- 9-75
37.1264	77.2514	149		SOUTH ELEM SCH	12.0	0.9	64.0	6.0	203.0	0.8	10.0	31.0	--	--	--	0.12	0.1	360.0	7.6	--	225.0	11-16-70
37.1270	77.2514	149		PRIN GEORGE JR HS	59.0	2.4	4.4	1.3	198.0	2.6	2.8	31.0	--	--	--	0.07	0.1	338.0	7.6	--	201.0	12- 1-70
37.1306	77.2514	149		BYRD BIRCHETT EST	42.0	4.4	4.8	1.7	157.0	3.8	3.0	31.0	--	--	--	0.35	0.2	275.0	7.4	--	169.0	12- 1-70
37.1728	77.3661	149		SOUTH PLAINS SUBD	38.0	11.0	24.0	12.0	243.0	4.0	3.9	--	--	--	--	--	0.3	422.0	7.6	--	--	6-27-69
37.2408	77.3703	149		BRENCO INC	1.8	1.2	76.0	13.0	200.0	10.0	6.2	--	--	--	--	--	0.2	391.0	7.9	--	--	6-27-69
37.2600	77.2789	149		BYRD J R BIRCHETT	42.0	4.4	4.8	1.7	157.0	3.8	3.0	31.0	--	--	--	0.35	0.2	275.0	7.4	--	169.0	12- 1-70
37.6347	77.2514	149		PG SO B41	8.0	1.0	4.9	1.0	40.0	9.2	6.2	7.7	--	--	--	0.03	0.1	92.0	6.4	--	49.0	4-19-72
37.1250	77.2294	149	125PLCN	53E 1 DISPUTANA H S	58.0	1.1	3.4	2.8	188.0	0.4	2.8	1.9	--	--	0.20	0.02	0.1	310.0	7.7	15.5	163.0	4- 7-72
37.1250	77.2294	149	125PLCN	53E 1 DISPUTANA H S	63.0	1.3	2.6	1.5	192.0	8.3	2.7	13.0	--	--	0.20	0.48	0.1	330.0	7.9	14.5	188.0	3-19-73
37.1250	77.2294	149	125PLCN	53E 1 DISPUTANA H S	40.0	2.3	3.1	1.8	136.0	3.0	2.0	7.6	--	--	--	0.02	0.1	225.0	7.8	15.0	127.0	12-10-70
37.0392	77.3947	149	217PPSC	51E 1 CARSON ELEM SCH	10.0	3.8	4.4	1.2	60.0	1.5	5.5	9.5	--	--	0.10	--	0.1	122.0	6.7	15.5	66.0	3-29-73
37.0392	77.3947	149	217PPSC	51E 1 CARSON ELEM SCH	19.0	1.3	5.0	1.8	72.0	3.4	4.6	5.4	--	--	--	0.01	0.2	126.0	6.6	15.0	76.0	12-14-70
37.2208	77.2886	149	217PPSC	52F 1 VA OW 38 PRIN GEO	66.0	2.8	4.8	2.1	222.0	12.0	3.2	29.0	--	--	0.20	0.10	0.2	380.0	7.6	13.0	229.0	3-19-73
37.2208	77.2886	149	217PPSC	52F 1 VA OW 38 PRIN GEO	66.0	3.0	4.3	2.2	208.0	4.4	3.3	29.0	--	--	0.10	0.16	0.1	365.0	7.8	15.5	215.0	4- 7-72
37.2208	77.2886	149	217PPSC	52F 1 VA OW 38 PRIN GEO	65.0	5.1	6.4	1.8	223.0	8.8	3.5	25.0	--	--	--	0.12	0.2	344.0	7.6	15.5	226.0	12-10-70
37.2239	77.2850	149	217PPSC	52F 4 BEASLEY ELEM SCH	45.0	2.4	16.0	3.2	176.0	8.9	1.5	37.0	10.0	--	--	0.34	0.3	270.0	-	26.0	202.0	4-29-75
37.2528	77.3222	149	217PPSC	52G 10 US ARMY, FORT LEE	4.4	0.8	16.0	4.2	48.0	8.8	7.5	41.0	10.0	--	--	0.03	0.1	110.0	-	16.0	107.0	5-13-75
37.2756	77.2028	149	217PPSC	53G 12 RIVERS EDGE	44.0	10.0	4.4	12.0	206.0	5.8	2.0	26.0	10.0	--	0.40	--	0.2	330.0	-	19.0	206.0	5-23-75
38.5619	77.3683	153		52S 3 NPS WELL 4	23.0	9.1	6.7	5.9	122.0	15.0	3.0	29.0	--	--	0.10	0.05	0.1	245.0	7.5	--	152.0	7-26-68
38.5781	77.4183	153		52S 2 NPS WELL 3	3.0	1.1	3.0	1.2	19.0	2.2	2.9	13.0	--	--	0.20	0.07	0.1	41.0	7.5	--	36.0	6-25-68
38.5781	77.4183	153		52S 2 NPS WELL 3	3.0	1.1	3.0	1.2	19.0	2.2	2.9	13.0	--	--	0.20	0.07	0.1	41.0	7.5	--	36.0	6-25-68
38.6067	77.3586	153		52S 1 NPS WELL 5	9.4	3.4	5.5	1.2	55.0	4.6	4.2	31.0	--	--	1.10	0.17	0.1	108.0	6.5	--	88.0	7-26-68
38.8061	77.5308	153		CHINN SPRING 50U-84F MAN	62.0	25.0	26.0	1.0	256.0	100.0	8.9	27.0	10.0	--	0.31	--	0.2	620.0	7.7	14.5	377.0	6-24-80
38.8170	77.5350	153		50U 1 BATTLEFIELD PARK	190.0	26.0	76.0	1.2	101.0	580.0	22.0	27.0	10.0	--	--	--	0.4	1022.0	-	--	1010.0	5- 5-75
38.8178	77.5350	153		50U 1 BATTLEFIELD PARK	150.0	24.0	65.0	2.4	109.0	400.0	15.0	27.0	30.0	--	0.50	--	0.3	1030.0	7.6	15.0	777.0	3-25-75
38.9353	77.6364	153		49V 1 USGS OW HUTCHISON	38.0	11.0	13.0	0.8	107.0	9.2	5.4	24.0	--	--	--	0.03	0.1	330.0	7.6	12.0	194.0	2- 3-70
38.6417	77.2319	153	217PPSC	53T 2 VA OW 29 US ARMY	19.0	13.0	16.0	7.6	152.0	1.0	12.0	5.5	--	--	--	0.12	--	288.0	7.5	13.0	149.0	4- 2-70
38.5583	77.3467	153	217PTMC*	52S 30 PRNC WM FR PK TW3	5.2	2.9	3.0	2.2	30.0	1.6	2.3	21.0	10.0	--	0.30	0.06	0.1	65.0	6.1	14.0	54.0	4- 9-75
37.8039	76.6372	159	122CSPKL	57L 8 RICE OYSTER CO	13.0	5.6	42.0	7.5	180.0	7.2	1.5	33.0	210.0	--	1.50	0.06	0.4	300.0	8.5	--	201.0	1-28-77
37.8006	76.6336	159	124EOCN	57L 4 DART, NORMAN	0.8	0.8	138.0	9.3	357.3	8.6	4.2	13.0	--	--	0.50	--	2.7	561.0	8.4	--	350.0	8-25-69
37.8014	76.6353	159	124EOCN	57L 5 DART, NORMAN	16.0	4.6	50.0	9.5	208.0	9.0	2.3	28.0	--	--	1.50	--	0.6	339.0	7.8	--	223.0	8-25-69
37.8025	76.6347	159	124EOCN	57L 6 AYLOR, J G	16.0	4.6	50.0	12.0	196.0	8.6	2.6	31.0	--	--	1.50	--	0.6	320.0	7.7	--	223.0	8-25-69

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
37.8875	76.7650	159	124EOCN	56M 16 DELANO, A W	2.2	3.9	106.0	--	295.0	6.8	2.0	49.0	--	--	--	--	--	--	-	--	315.0	7- 8-18
37.9231	76.7217	159	124EOCN	57M 4 HOLTON, W C	8.8	2.5	58.0	8.9	218.0	5.8	1.5	34.0	10.0	--	0.40	0.06	0.8	328.0	-	16.5	229.0	10-23-75
37.9578	76.7069	159	124EOCN	57M 1 GARLAND, E	4.0	3.8	131.0	--	330.9	13.0	18.0	59.0	--	--	--	--	--	--	-	--	392.0	7- 9-18
37.9778	76.8639	159	124EOCN	56M 13 JENKINS, LYELL	2.0	2.0	212.0	--	526.2	12.0	3.7	21.0	60.0	--	--	--	--	--	-	18.0	512.0	7-10-18
38.0503	76.8575	159	125PLCN	56N 5 WILLARD HALL	3.6	1.5	160.0	14.0	438.1	20.0	2.2	11.0	--	--	--	0.04	2.5	701.0	8.4	--	428.0	6-28-71
37.8422	76.6189	159	211CRCSU	58L 5 WELCH, J W	7.6	0.9	114.0	--	309.5	8.6	2.8	16.0	--	--	0.20	--	1.8	501.0	8.5	--	304.0	6- 9-48
37.9592	76.7550	159	211CRCSU	56M 9 WARSAW, TOWN OF	1.3	0.6	130.0	5.0	338.0	8.6	1.9	16.0	10.0	--	--	1.60	2.4	475.0	-	--	334.0	4-24-75
37.9594	76.7586	159	211CRCSU	56M 4 WARSAW TOWN OF	1.6	0.3	118.0	3.5	305.3	6.7	3.0	17.0	--	--	0.70	--	2.2	482.0	8.4	--	303.0	5-15-53
37.9881	76.7775	159	211CRCSU	56M 11 VPI EXPER FRM WAR	19.0	5.6	18.0	12.0	142.0	8.2	0.8	54.0	130.0	--	1.90	--	0.1	225.0	-	23.0	190.0	8-19-75
38.6656	77.1594	159	217PTMC	GUNSTON HLL PLT 2	1.1	0.1	88.0	3.9	138.0	5.8	48.0	24.0	10.0	--	--	4.00	0.8	345.0	-	16.0	244.0	9-16-76
36.5842	77.1958	175		GOODEN,D A KINGDL	14.0	4.4	106.0	14.0	368.0	8.0	4.6	--	--	--	--	--	--	588.0	7.9	--	--	7- 8-69
36.6306	77.1394	175		TIDE-HYD CYP-COVE	0.4	0.1	94.0	4.3	236.0	9.6	3.5	--	--	--	--	--	--	397.0	7.8	--	--	7- 8-69
36.9075	76.8986	175	124EOCN	55D 8 IVOR TOWN OF	47.0	8.5	6.9	4.7	186.0	11.0	3.1	--	--	--	--	--	--	311.0	7.4	--	--	7- 8-69
36.6325	76.9000	175	125PLCN	55B 33 TIDE HYD KINGSDLE	14.0	3.2	111.0	14.0	365.0	8.6	4.2	--	--	--	--	--	--	595.0	7.8	--	--	7- 8-69
36.5844	77.1981	175	217PPSC	53A 3 BOYKINS, TOWN OF	13.0	6.2	41.0	23.0	186.0	13.0	4.4	27.0	--	--	--	0.30	0.1	355.0	7.5	--	220.0	10- 9-68
36.5847	77.2042	175	217PPSC	53A 4 BOYKINS NARROW FB	3.2	1.6	71.0	11.0	200.0	18.0	7.0	--	--	--	--	--	--	352.0	7.3	--	--	7- 8-69
36.6333	77.1394	175	217PPSC	55B 30 TIDE-HYD CYP-MNR	1.4	0.1	87.0	4.3	232.0	8.4	3.0	--	--	--	--	--	--	400.0	7.8	--	--	7- 8-69
36.6347	77.1394	175	217PPSC	55B 34 EDGEHILL WATER CO	0.8	0.4	110.0	4.3	270.0	8.8	2.8	--	--	--	--	--	--	448.0	7.5	--	--	7- 8-69
36.6403	77.1394	175	217PPSC	52B 6 SOUTHAMPTON CR FM	55.0	4.6	5.3	2.3	185.0	11.0	3.8	--	--	--	--	--	0.1	329.0	7.6	--	--	6-27-69
36.6417	77.1394	175	217PPSC	52B 5 SOUTHAMPTON CR FM	55.0	7.6	5.0	2.7	214.0	2.6	4.2	--	--	--	--	--	0.1	352.0	7.7	--	--	6-27-69
36.6500	76.9983	175	217PPSC	55B 23 HERCULES POWDER 1	0.2	0.1	110.0	5.9	214.0	17.0	34.0	29.0	20.0	--	--	3.60	2.7	535.0	8.0	17.9	308.0	10- 9-68
36.6500	76.9983	175	217PPSC	55B 23 HERCULES POWDER 1	1.6	0.2	112.0	4.7	288.0	1.4	3.0	24.0	--	--	0.40	0.10	0.6	470.0	7.8	--	290.0	5-23-69
36.6542	77.0031	175	217PPSC	54B 1 HERCULES POWDER	1.1	1.1	170.0	10.0	358.0	25.0	43.0	17.0	--	--	0.10	1.90	5.0	750.0	7.9	18.0	450.0	3- 3-72
36.6858	77.3853	175	217PPSC	51B 3 ADAMS GROVE USGS	32.0	6.6	52.0	8.7	254.0	5.2	6.8	22.0	10.0	--	0.10	0.03	1.2	351.0	-	15.5	261.0	10-18-74
36.7017	76.9789	175	217PPSC	55B 29 TIDE-HYD CYP-MNR	--	0.1	92.0	3.9	231.0	7.0	3.2	--	--	--	--	--	4.5	419.0	7.7	--	--	6-27-69
36.7153	77.0667	175	217PPSC	54B 27 COURTLAND H S	0.5	0.3	90.0	6.4	196.0	12.0	16.0	32.0	--	--	0.20	--	5.5	--	-	--	259.0	4-20-38
36.7186	77.0694	175	217PPSC	54B 4 COURTLAND 1	0.2	0.1	97.0	5.9	208.0	9.8	30.0	25.0	--	--	--	3.10	2.7	460.0	8.0	16.0	266.0	10- 9-68
36.7253	77.2539	175	217PPSC	52B 7 SO.HAMPTON ST FRM	23.0	6.4	32.0	3.5	174.0	8.0	6.4	--	--	--	--	--	0.1	335.0	7.6	--	--	6-27-69
36.7253	77.2539	175	217PPSC	52B 7 SO.HAMPTON ST FRM	23.0	6.4	32.0	5.6	176.0	6.7	5.4	44.0	10.0	--	--	0.40	0.2	295.0	-	16.0	210.0	5- 9-75
36.7256	77.2558	175	217PPSC	52B 4 SO.HAMPTON ST FRM	21.0	5.2	32.0	5.5	175.0	6.2	6.1	43.0	10.0	--	--	0.31	0.2	290.0	-	16.0	206.0	5- 9-75
36.7256	77.2558	175	217PPSC	52B 4 SO.HAMPTON ST FRM	26.0	6.1	33.0	9.0	191.0	7.4	7.4	--	--	--	--	--	0.2	351.0	7.7	--	--	6-27-69
36.7539	77.2472	175	217PPSC	53C 3 VA CORR FIELD 20	47.0	7.1	8.2	3.6	189.0	5.8	2.3	53.0	10.0	--	--	0.31	0.1	300.0	-	16.0	221.0	5- 9-75
36.6578	77.0075	175	217PTMC*	54B 2 HERCULES POWDER 3	--	0.5	99.0	5.1	195.0	17.0	30.0	34.0	--	--	0.10	--	4.0	451.0	7.9	--	286.0	8-11-69
38.4258	77.3219	179	217PTXN	52R 4 DORSEY, LEONA	9.2	3.2	13.0	7.0	51.0	21.0	9.9	34.0	--	--	0.04	--	0.2	165.0	-	--	123.0	10- 7-74
37.0042	76.8764	181		CLAREMONT TOWN OF	1.0	0.2	94.0	4.2	250.0	4.6	3.5	30.0	--	--	--	0.14	0.4	403.0	7.9	--	262.0	10- 7-70
37.0181	76.8764	181		BERRYMAN	0.8	0.4	110.0	5.4	285.0	5.0	3.3	25.0	--	--	--	0.86	2.2	451.0	8.2	--	293.0	10- 5-70
37.0361	76.6764	181		HOFF, LILLY	3.4	0.8	180.0	12.0	486.2	5.2	2.6	15.0	--	--	1.30	0.10	3.0	770.0	8.4	--	460.0	9-29-70
37.1100	76.7228	181		WARREN, W P	0.8	0.2	112.0	6.0	291.0	5.6	2.4	22.0	--	--	2.10	1.00	2.5	480.0	8.1	--	298.0	9-29-70
37.0689	76.7669	181	*	56E 1 BACON CASTLE TW 2	3.2	0.8	78.0	2.0	196.0	9.8	4.4	35.0	--	--	--	--	3.2	--	-	--	233.0	2-12-42
37.0689	76.7669	181	*	56E 1 BACON CASTLE TW 2	0.4	0.1	77.0	2.6	183.0	11.0	3.7	30.0	--	--	--	1.60	1.6	330.0	8.0	19.0	218.0	7-30-69
37.0689	76.7669	181	*	56E 1 BACON CASTLE TW 2	0.4	0.2	77.0	2.5	177.0	11.0	3.8	30.0	--	--	--	1.60	2.3	320.0	7.8	--	216.0	7-30-69
37.1842	76.7861	181	110QRNR	58F 48 SCOTLAND WHARF	1.2	0.2	100.0	5.8	259.0	8.0	2.2	26.0	--	--	0.10	0.90	2.2	440.0	8.0	--	274.0	10- 5-70
37.1961	76.8578	181	124EOCN	56F 46 TDEWTR COUNCL BSA	1.2	0.7	99.0	6.7	257.0	6.8	3.4	23.0	--	--	0.30	0.38	1.3	425.0	8.0	--	269.0	10- 6-70
37.0558	76.9528	181	125PLCN	55E 6 COFER, A C	5.2	1.2	85.0	11.0	254.0	6.6	2.4	21.0	--	--	0.40	--	0.9	411.0	7.7	--	259.0	8-11-69
37.1042	76.7308	181	125PLCN	57E 7 BACON CSTLE BAPCH	0.8	1.9	191.0	5.1	404.2	6.6	4.1	12.0	--	--	1.00	--	2.9	757.0	8.3	--	460.0	8-11-69
37.1717	76.7703	181	125PLCN	56F 5 COBHAM WHARF	1.8	0.4	136.0	8.7	355.0	4.8	3.9	20.0	--	--	0.20	0.66	2.5	590.0	8.1	--	354.0	10- 5-70
37.0347	76.8764	181	211CRCSU	56F 2 SURRY EL SCH OW39	1.3	0.5	100.0	5.7	280.0	2.8	1.8	2.5	--	--	0.10	0.15	1.4	430.0	7.4	18.5	254.0	4-27-72
37.0422	76.8008	181	211CRCSU	56E 6 PITTMAN, C A	0.8	0.4	97.0	4.9	264.0	5.4	3.4	24.0	--	--	0.10	0.49	1.1	410.0	8.2	--	268.0	9-24-70
37.0431	76.9456	181	211CRCSU	55E 2 L P JACKSON H.S.	0.4	1.0	98.0	5.8	246.0	14.0	3.4	34.0	--	--	0.10	0.07	0.2	430.0	7.8	--	278.0	9-24-70
37.0431	76.9456	181	211CRCSU	55E 2 L P JACKSON H.S.	0.4	0.5	94.0	4.7	242.0	15.0	4.0	33.0	--	--	0.10	--	0.1	415.0	7.7	--	271.0	8-11-69
37.0650	76.9314	181	211CRCSU	55E 4 INGRIAM, WILLIAM	1.4	0.6	88.0	6.5	236.0	8.0	3.8	25.0	--	--	0.10	0.27	0.3	400.0	8.0	--	250.0	9-24-70
37.0736	76.8853	181	211CRCSU	55E 5 SOWDER, A T	1.6	0.7	90.0	6.2	236.0	8.2	3.0	25.0	--	--	0.10	--	0.9	397.0	8.0	--	252.0	8-11-69
37.0975	76.7417	181	211CRCSU	57E 8 JETKINS, JIM	1.0	0.5	126.0	6.6	341.0	4.6	4.4	15.0	--	--	0.30	--	1.7	569.0	8.2	--	328.0	8-11-69
37.1092	76.7228	181	211CRCSU	57E 3 BACON CASTLE ESTA	0.6	0.2	110.0	6.2	282.0	5.0	4.1	22.0	--	--	0.30	--	2.6	479.0	8.1	--	290.0	8-11-69
37.1308	76.8383	181	211CRCSU	56F 51 SURRY TOWN OF	0.8	0.2	97.0	5.2	243.0	3.6	3.6	30.0	--	--	0.10	--	0.4	385.0	7.9	--	260.0	7-30-69
37.1333	76.8353	181	211CRCSU	56F 2 VA OW 39	0.4	0.4	100.0	4.2	273.7	2.0	1.5	2.1	--	--	0.10	0.55	1.4	363.0	9.0	18.0	236.0	12-11-70
37.1444	76.7303	181	211CRCSU	57F 28 CHIPPOKES FARM	0.8	0.4	110.0	5.4	297.0	6.2	4.4	25.0	--	--	--	1.10	2.1	480.0	8.1	--	302.0	10-29-70
37.1489	77.0939	181	211CRCSU	54E 6 COCKES, E O	50.0	7.8	4.6	8.6	204.0	4.8	2.8	23.0	--	--	0.50	0.07	0.1	340.0	7.7	--	202.0	9-25-70
37.1575	76.9514	181	211CRCSU	55F 9 LAMIE, ALLIE	2.0	0.6	85.0	5.9	236.0	5.0	3.6	23.0	--	--	0.10	--	0.5	380.0	7.9	--	242.0	8-11-69
37.1583	77.0417	181	211CRCSU	54F 2 HOLDSWORTH, HENRY	44.0	3.3	12.0	14.0	195.0	6.6	4.4	22.0	--	--	0.40	--	0.1	330.0	7.5	--	203.0	8-11-69

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
37.1603	76.8219	181	211CRCSU	56F 47 JONES, FRANK	1.2	0.2	99.0	6.4	264.0	6.2	3.0	23.0	--	--	--	0.53	1.6	425.0	8.1	--	271.0	10- 6-70
37.1639	76.6978	181	211CRCSU	57F 5 VEPCO, SURRY C	1.7	0.3	120.0	4.1	302.0	5.7	5.0	27.0	10.0	--	0.10	1.60	5.7	410.0	-	19.0	320.0	2- 7-75
37.1656	76.6992	181	211CRCSU	57F 4 VEPCO, SURRY 8	0.8	0.3	120.0	3.8	293.0	5.8	5.6	27.0	20.0	--	0.04	1.70	4.1	395.0	-	19.0	314.0	2- 7-75
37.1667	77.0336	181	211CRCSU	54F 3 HOLDSWORTH, HENRY	17.0	3.6	38.0	18.0	180.0	4.2	3.1	15.0	--	--	1.70	0.03	0.3	325.0	7.7	--	190.0	9-25-70
37.1689	76.6969	181	211CRCSU	57F 6 VEPCO, SURRY D	3.3	0.6	120.0	4.0	301.0	5.6	6.0	25.0	200.0	--	--	0.67	4.5	400.0	-	17.0	318.0	2- 7-75
37.1781	77.0253	181	211CRCSU	54F 4 HOLDSWORTH, HENRY	11.0	3.3	58.0	15.0	206.0	6.4	3.2	22.0	--	--	1.40	0.04	0.4	350.0	7.8	--	222.0	9-25-70
37.1781	77.0253	181	211CRCSU	54F 4 HOLDSWORTH, HENRY	13.0	2.1	52.0	12.0	197.0	8.6	3.8	20.0	--	--	0.30	--	0.4	345.0	7.5	--	209.0	8-11-69
37.2072	76.8528	181	211CRCSU	56F 45 FOURMILE TREE EST	2.4	0.2	110.0	7.4	300.0	7.2	3.3	21.0	--	--	0.20	0.49	1.7	473.0	8.2	--	302.0	10- 6-70
37.2183	76.9350	181	211CRCSU	55F 12 SUNKEN MEADOW BCH	0.4	0.5	88.0	4.4	234.0	5.6	3.0	31.0	--	--	--	0.22	0.4	393.0	7.9	--	249.0	10- 7-70
37.2286	76.9561	181	211CRCSU	55F 8 CLAREMONT TOWN OF	0.8	0.2	97.0	4.7	244.0	4.6	3.2	31.0	--	--	0.10	--	0.3	400.0	7.9	--	262.0	8-11-69
37.2306	76.9528	181	211CRCSU	55F 15 HARTZ, PAUL	61.0	11.0	6.5	16.0	277.0	1.8	3.2	28.0	--	--	1.40	--	0.2	450.0	7.5	--	265.0	10-19-70
37.0353	76.8108	181	217PPSC	56E 5 PITTMAN, C A	0.8	0.1	86.0	3.7	237.0	10.0	3.2	28.0	--	--	--	0.69	1.0	371.0	8.1	--	251.0	9-24-70
37.1028	76.7333	181	217PPSC	57E 4 BACON CASTLE TW 1	1.2	0.5	91.0	2.8	234.0	7.0	3.0	42.0	--	--	--	--	2.3	--	-	--	265.0	1-24-42
37.1411	76.8136	181	217PPSC	58F 49 SAUEDGE, JOEL	1.2	0.4	106.0	6.0	275.0	7.4	2.4	23.0	--	--	--	0.56	1.7	460.0	8.1	--	284.0	10- 5-70
37.2283	76.9556	181	217PPSC	55F 13 CLAREMONT TOWN OF	0.2	0.4	98.0	2.9	227.0	13.0	12.0	31.0	--	--	--	1.00	0.7	430.0	8.0	--	271.0	10- 7-70
37.2283	76.9556	181	217PPSC	55F 13 CLAREMONT TOWN OF	--	0.4	97.0	3.9	222.0	15.0	12.0	31.0	--	--	0.10	--	0.7	415.0	7.9	--	269.0	8-11-69
37.1606	76.8331	181	217PTMC	58F 50 LUDWIG, G	0.8	0.4	88.0	5.2	225.0	7.8	2.9	30.0	--	--	--	0.84	1.3	370.0	8.0	--	248.0	10-22-70
36.8342	77.2889	183		PARKER, A W	44.0	4.5	4.6	3.5	161.0	8.8	3.4	43.0	--	--	--	--	--	271.0	7.7	--	191.0	7-30-69
36.8389	77.2883	183		ROGERS, J M	62.0	4.6	6.4	3.9	220.0	7.0	3.4	50.0	--	--	--	--	0.1	352.0	7.7	--	245.0	7-30-69
36.8433	77.2886	183		OWEN, W A	57.0	4.4	5.0	3.9	203.0	8.2	3.3	39.0	--	--	--	--	--	330.0	7.7	--	221.0	7-30-69
36.8436	77.2875	183		PARKER, A W	47.0	4.4	5.7	3.2	176.0	3.0	4.4	49.0	--	--	--	--	0.1	288.0	7.6	--	204.0	7-30-69
36.8561	77.2917	183		ZHIMMERMAN J M	59.0	3.6	5.0	3.0	196.0	8.6	3.6	40.0	--	--	--	--	0.1	320.0	7.7	--	219.0	7-30-69
36.8778	77.2514	183		DUNN, R B	46.0	4.2	4.6	3.5	166.0	10.0	3.2	47.0	--	--	--	--	0.1	282.0	7.8	--	201.0	7-30-69
36.8806	77.2514	183		STONY CREEK TOWN	11.0	0.6	3.7	3.1	22.0	13.0	8.6	48.0	--	--	0.10	0.15	0.2	98.0	7.1	--	99.0	5-23-69
36.8819	77.2514	183		DUNN J H	11.0	0.6	3.7	3.1	22.0	13.0	8.6	48.0	--	--	0.10	0.15	0.2	98.0	7.1	--	99.0	5-23-69
36.9439	77.4006	183		STONEY CREEK TOWN	6.8	1.1	3.9	3.1	12.0	14.0	6.5	40.0	--	--	0.10	--	--	82.0	6.6	--	82.0	7-28-69
36.9464	77.4003	183		STONEY CREEK TOWN	5.2	1.3	4.6	3.9	12.0	12.0	8.4	35.0	--	--	--	--	--	72.0	6.4	--	76.0	7-28-69
36.9469	77.3939	183		STONEY CREEK TOWN	4.8	1.2	7.4	4.3	21.0	6.6	12.0	23.0	--	--	0.20	--	--	84.0	6.7	--	70.0	7-28-69
37.0344	77.0958	183		WAVERLY TOWN OF	58.0	8.1	5.3	10.0	228.0	3.8	4.6	32.0	--	--	0.20	--	--	370.0	7.8	--	234.0	7-30-69
37.0436	77.1917	183	125PLCN	53E 5 VA OW 45	67.0	2.2	3.6	1.7	214.0	9.8	4.8	23.0	--	--	--	0.03	0.1	350.0	7.5	--	216.0	4- 9-72
36.9714	76.9894	183	211CRCSU	55D 2 WAKEFIELD 2	11.0	3.3	55.0	20.0	214.0	2.2	2.4	15.0	120.0	--	--	0.06	0.4	365.0	7.9	--	217.0	10- 8-68
36.9714	76.9894	183	211CRCSU	55D 2 WAKEFIELD 2	12.0	4.8	61.0	--	210.0	3.0	2.2	18.0	--	--	1.90	--	--	--	-	--	206.0	11-26-37
36.9717	76.9897	183	211CRCSU	55D 1 WAKEFIELD 1	11.0	2.8	60.0	22.0	218.0	3.4	3.2	16.0	120.0	--	--	0.05	0.3	380.0	8.3	--	228.0	10- 8-68
36.9717	76.9897	183	211CRCSU	55D 1 WAKEFIELD 1	10.0	3.2	62.0	21.0	218.0	4.6	3.2	16.0	--	--	0.10	--	0.3	341.0	7.7	--	227.0	7-30-69
36.9717	76.9897	183	211CRCSU	55D 1 WAKEFIELD 1	11.0	3.3	55.0	18.0	208.0	5.0	3.3	16.0	--	--	1.20	--	0.5	332.0	7.9	--	215.0	7-30-69
36.9911	77.0258	183	211CRCSU	54D 3 VA OW 43 SPAIN LH	7.0	6.4	9.0	25.0	103.0	0.6	2.4	2.2	--	--	--	0.02	0.1	179.0	7.0	15.0	104.0	12-14-70
37.0333	77.0953	183	211CRCSU	54E 1 WAVERLY TOWN OF	59.0	7.8	4.8	9.0	232.0	4.6	3.9	17.0	10.0	--	--	0.02	0.2	390.0	7.7	--	234.0	10-19-70
37.0333	77.0953	183	211CRCSU	54E 1 WAVERLY TOWN OF	61.0	7.8	4.4	10.0	238.0	6.2	4.2	32.0	--	--	--	--	0.1	381.0	7.7	--	243.0	7-30-69
36.7969	77.2739	183	217PPSC	52C 3 BONDS H L	41.0	4.9	6.7	2.7	154.0	8.4	3.6	40.0	--	--	0.10	--	--	255.0	7.5	--	183.0	8-11-69
36.9786	77.1506	183	217PPSC	53D 3 VA OW 48 HOMEVILE	7.8	2.6	9.2	4.3	62.0	1.0	3.2	0.5	--	--	0.10	--	0.1	116.0	7.9	15.0	59.0	3-19-73
36.9786	77.1506	183	217PPSC	53D 3 VA OW 48 HOMEVILE	12.0	2.7	8.9	4.1	66.1	7.0	5.2	0.9	--	--	0.20	--	0.1	126.0	8.5	15.5	72.0	3- 3-72
37.0369	77.0964	183	217PPSC	54E 2 NOR & WESTERN R R	10.0	4.6	79.0	11.0	17.0	19.0	130.0	5.1	--	--	--	--	0.2	560.0	-	--	275.0	10-19-70
37.0369	77.0964	183	217PPSC	54E 2 NOR & WESTERN R R	9.2	4.0	106.0	12.0	9.0	24.0	172.0	5.1	--	--	4.80	--	0.2	662.0	6.2	--	341.0	7-30-69
38.0878	76.7917	193	*	56N 7 ARROWHEAD ASSOC	2.5	0.9	140.0	6.2	383.0	8.5	2.3	15.0	20.0	--	0.50	1.50	2.6	595.0	8.7	18.0	369.0	1-28-77
38.0297	76.5867	193	124EOCN	58N 2 SYDNOR KINGSDALE	14.0	5.8	49.0	--	182.0	11.0	1.8	45.0	50.0	--	--	--	0.5	--	7.8	--	217.0	5- 1-46
38.1117	77.0006	193	124EOCN	54N 1 HALL, S S	5.4	4.0	154.0	12.0	447.5	11.0	3.5	11.0	330.0	--	--	--	1.7	--	8.1	--	423.0	10-14-44
38.1625	76.8683	193	125PLCN	56P 1 WML ST PK CP AR C	3.8	2.1	130.0	11.0	366.0	7.8	1.6	9.5	10.0	--	0.40	--	2.1	500.0	-	15.0	349.0	4-24-75
38.1861	76.9172	193	125PLCN	55P 6 WASH BIRTHPL NPS1	3.4	2.3	143.0	8.7	400.0	8.0	2.5	12.0	80.0	--	--	--	1.3	--	-	--	370.0	10-12-33
38.1861	76.9178	193	125PLCN	55P 4 WASH BIRTHPL NPS3	4.9	1.8	140.0	11.0	397.0	8.3	1.9	10.0	--	--	0.10	0.21	1.7	593.0	-	--	378.0	9-26-74
38.1861	76.9178	193	125PLCN	55P 4 WASH BIRTHPL NPS3	4.0	2.0	150.0	12.0	396.0	7.0	1.1	10.0	10.0	--	0.60	0.25	4.4	608.0	8.1	--	386.0	6- 7-74
38.2714	76.9872	193	125PLCN	55Q 5 COLONIAL BEACH	1.2	0.3	66.0	2.0	153.0	12.0	1.5	41.0	50.0	--	0.10	13.00	1.6	285.0	9.0	21.0	214.0	1-28-77
38.0939	76.8189	193	211CRCSU	56N 1 VA OW 16	8.8	4.1	17.0	11.0	108.0	0.6	2.3	1.1	--	--	0.10	0.01	0.4	171.0	7.8	14.0	98.0	4- 4-72
38.0944	76.8294	193	211CRCSU	56N 2 COCA-COLA BOTTLNG	0.8	0.5	130.0	--	326.0	8.3	3.5	17.0	--	--	0.30	--	2.2	534.0	8.0	--	323.0	6- 9-48
38.0944	76.8294	193	211CRCSU	56N 2 COCA-COLA BOTTLNG	0.8	0.8	130.0	--	324.1	10.0	2.8	18.0	--	--	0.40	--	2.6	--	8.1	--	325.0	1- 1-44
38.0944	76.8294	193	211CRCSU	56N 2 COCA-COLA BOTTLNG	1.6	0.4	130.0	3.9	327.5	7.5	2.6	19.0	--	--	2.30	--	2.4	529.0	8.5	--	331.0	5-20-53
38.1106	76.9944	193	217PPSC	55N 1 PERRY, H H	2.2	1.8	171.0	9.0	472.8	11.0	2.0	11.0	30.0	--	--	--	1.7	--	8.4	--	443.0	10-14-44
38.1647	76.8769	193	217PPSC	55P 2 WML ST PK COL BCH	1.1	0.1	100.0	3.4	256.0	11.0	1.9	26.0	--	--	--	4.90	2.0	410.0	-	--	277.0	10- 7-74
38.1894	76.9253	193	217PPSC	55P 3 WASH BIRTHPL NPS4	1.9	0.6	120.0	4.6	288.0	9.5	2.9	20.0	--	--	0.04	4.00	2.8	464.0	-	18.0	308.0	7-25-74
38.1967	76.9189	193	217PPSC	55P 1 MUSE, J H	1.6	0.3	120.0	5.0	299.0	9.0	1.8	21.0	--	--	0.27	2.70	2.3	464.0	-	--	312.0	10- 7-74
38.2331	76.9611	193	217PPSC	55P 8 COLONIAL BEACH	1.0	0.5	68.0	2.4	177.0	12.0		37.0	70.0	--	--	8.90	1.2	300.0	8.2	--	220.0	1-28-77

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
38.2417	76.9636	193	217PPSC	55P 7 COLONIAL BEACH	0.7	0.1	68.0	1.9	160.0	9.7	1.7	30.0	900.0	--	0.90	10.00	1.5	295.0	7.5	19.0	204.0	12-18-75
37.2178	76.4886	199	124EOCN	59F 1 USN SUPPLY CENTER	1.1	2.8	890.0	28.0	939.6	12.0	1000.0	3.4	--	--	0.20	0.05	1.2	3800.0	9.4	15.5	2317.0	3- 2-72
37.2178	76.4886	199	124EOCN	59F 1 USN SUPPLY CENTER	2.4	3.2	880.0	58.0	875.8	43.0	996.0	3.9	--	--	3.50	--	1.0	4400.0	9.2	--	2360.0	10-28-69
37.3200	76.7328	199	124EOCN	57G 54 LOCK-JOINT PIPE	4.8	2.1	72.0	8.0	208.0	11.0	4.7	36.0	--	--	--	0.04	1.0	360.0	8.2	18.5	242.0	7-27-71
37.2361	76.5658	199	125PLCN	58F 20 USN WEAPONS ST 3	20.0	6.0	80.0	8.8	296.0	0.6	7.0	21.0	10.0	--	--	--	0.5	480.0	-	16.0	290.0	5-28-75
37.2375	76.5597	199	125PLCN	58F 19 USN WEAPONS ST 2	4.6	2.6	600.0	16.0	469.0	54.0	610.0	12.0	90.0	--	0.10	0.18	2.4	2450.0	-	16.0	1540.0	5-28-75
37.3636	76.7142	199	125PLCN	57G 41 COLONIAL CAMPGRD	4.2	1.5	97.0	12.0	266.0	7.1	3.8	46.0	--	--	0.10	0.01	1.1	425.0	8.0	--	304.0	12- 7-72
37.2375	76.5942	199	211CRCSU	58F 18 USN WEAPONS ST 4	1.0	1.5	430.0	12.0	447.0	50.0	400.0	21.0	10.0	--	0.20	0.20	0.1	1570.0	-	18.0	1140.0	5-28-75
37.2392	76.6411	199	211CRCSU	57F 2 WLLAMSBRG CO CLUB	3.6	1.4	420.0	14.0	434.0	41.0	350.0	19.0	--	--	--	0.40	2.5	2000.0	7.6	--	1060.0	11-29-72
37.2506	76.6567	199	211CRCSU	57G 20 SYDNR-CARVR GAR 1	4.1	1.6	380.0	16.0	454.0	38.0	310.0	19.0	--	--	0.20	0.52	3.0	1900.0	8.1	--	996.0	11-29-72
37.2628	76.5756	199	211CRCSU	58G 3 USN WEAPONS ST 1	4.3	2.0	530.0	12.0	455.0	55.0	520.0	19.0	40.0	--	--	0.37	2.3	2155.0	-	16.0	1370.0	5-28-75
37.2636	76.6625	199	211CRCSU	57G 15 SYDNR-YRK TERRACE	4.5	1.6	420.0	16.0	424.0	46.0	350.0	20.0	--	--	--	0.49	2.5	2050.0	8.0	--	1070.0	11-29-72
37.2658	76.6681	199	211CRCSU	57G 16 SYDNOR, NELSON 2	4.8	1.8	420.0	15.0	424.0	43.0	360.0	20.0	--	--	0.10	0.42	2.5	2100.0	8.0	--	1090.0	8-29-72
37.2739	76.6606	199	211CRCSU	57G 40 SPRINGFIELD TERR	5.2	3.4	400.0	14.0	439.0	46.0	380.0	18.0	--	--	0.20	0.43	2.5	2030.0	8.0	21.0	1090.0	7-26-71
37.2817	76.6711	199	211CRCSU	57G 17 PARKWAY ESTATES	5.5	1.8	400.0	14.0	433.0	50.0	380.0	16.0	--	--	--	--	3.3	1900.0	7.9	17.0	1080.0	6-21-73
37.2931	76.6542	199	211CRCSU	57G 19 QUEEN'S LAKE 2	4.3	1.5	470.0	12.0	320.0	100.0	470.0	20.0	--	--	--	--	1.5	2250.0	7.1	18.5	1240.0	6-21-73
37.3100	76.6478	199	211CRCSU	57G 3 CAMP PEARY D-1	5.4	2.5	433.0	7.5	441.0	54.0	395.0	18.0	--	--	--	--	2.3	--	-	--	1140.0	2-12-43
37.3147	76.7042	199	211CRCSU	57G 59 WALLER MLL RES PK	3.2	1.1	340.0	11.0	390.0	48.0	300.0	22.0	300.0	--	0.18	0.34	1.4	1600.0	7.6	16.0	920.0	3-15-79
38.7994	77.0419	510	210CRCS	54U 46EVA AMER WATER CO	0.3	0.1	64.0	2.4	96.3	11.0	35.0	12.0	40.0	--	--	2.90	0.3	300.0	7.8	--	173.0	12-19-79
38.8064	77.0397	510	210CRCS	54U 47FTORPEDO FACTORY 2	0.4	0.2	44.0	2.1	103.6	5.3	5.3	20.0	50.0	--	--	3.00	0.3	197.0	7.7	--	129.0	12- 4-79
36.7903	76.2944	550		VEPCO	261.0	39.0	561.0	16.0	297.0	7.4	1190.0	12.0	--	--	--	0.01	0.1	4380.0	7.2	--	2230.0	6-13-69
36.8147	76.2858	550		CITADEL CEMENT CO	4.8	1.3	428.0	20.0	523.0	46.0	368.0	21.0	--	--	--	0.30	2.7	2060.0	7.9	--	1150.0	6-13-69
36.5614	76.2561	550	110QRNR	60A 1 U S N RADIO STA 4	45.0	3.9	28.0	3.5	138.0	21.0	40.0	--	--	--	--	--	0.2	420.0	7.8	--	--	6-27-69
36.5614	76.2561	550	110QRNR	60A 1 U S N RADIO STA 4	47.0	3.6	28.0	1.6	142.0	20.0	40.0	18.0	--	--	0.10	0.17	0.1	359.0	7.5	--	229.0	8- 3-70
36.5636	76.2583	550	110QRNR	60A 2 U S N RADIO STA 2	43.0	1.9	29.0	2.4	146.0	9.0	38.0	23.0	--	--	--	0.27	0.2	339.0	7.8	--	219.0	8-12-70
36.5636	76.2583	550	110QRNR	60A 2 U S N RADIO STA 2	37.0	4.1	17.0	2.3	104.0	25.0	28.0	--	--	--	--	--	0.2	319.0	7.6	--	--	6-27-69
36.5644	76.2572	550	110QRNR	60A 3 U S N RADIO STA 3	44.0	2.9	9.6	0.8	112.0	30.0	14.0	--	--	--	--	--	0.2	298.0	7.2	--	--	6-27-69
36.7194	76.3253	550	110QRNR	60B 17 CAMP CIVITAN	47.0	25.0	130.0	16.0	283.0	22.0	192.0	37.0	--	--	--	1.50	0.1	1150.0	7.5	--	610.0	6-13-69
36.7714	76.3800	550	110QRNR	59C 18 VA DEPT OF HW	60.0	5.0	55.0	4.3	191.0	12.0	93.0	--	--	--	--	--	0.2	628.0	7.4	--	--	6-27-69
36.8008	76.2428	550	110QRNR	61C 7 RAY, BILL	50.0	5.5	20.0	2.2	197.0	1.4	23.0	38.0	--	--	0.10	--	0.1	390.0	6.6	--	238.0	6-12-71
36.7478	76.2356	550	121CSPKU	61B 1 LARRYMORE, R	83.0	14.0	86.0	8.7	359.0	2.0	120.0	40.0	--	--	--	0.52	0.2	920.0	7.2	--	533.0	6- 7-71
36.6969	76.3386	550	211CRCSU	60B 2 LENSEY, JOHN	2.8	2.3	550.0	15.0	738.0	67.0	370.0	11.0	30.0	--	0.20	0.21	2.5	2150.0	-	23.0	1390.0	5-30-75
36.7714	76.3711	550	211CRCSU	60C 8 MEDOVEW MBIL HM 2	2.7	1.6	369.0	18.0	599.5	37.0	227.0	11.0	--	--	--	0.67	3.4	1770.0	8.4	--	957.0	3- 4-70
36.8367	76.4286	550	211CRCSU	59C 1 TAYLORWOOD SUBD 1	2.8	0.7	268.0	17.0	542.0	17.0	89.0	15.0	--	--	1.30	1.40	4.2	1150.0	8.1	22.0	684.0	9-24-70
36.8403	76.4061	550	211CRCSU	59C 14 TIDEWTR WATER CO.	3.2	1.7	344.0	20.0	587.0	28.0	188.0	12.0	20.0	--	--	0.89	4.1	1560.0	8.1	--	891.0	9-17-70
36.8403	76.4061	550	211CRCSU	59C 14 TIDEWTR WATER CO.	4.2	0.7	359.0	17.0	652.0	29.0	180.0	--	--	--	--	--	0.2	1660.0	9.1	--	--	6-27-69
36.6706	76.9383	620	217PPSC	55B 20 FRANKLIN 4	0.2	0.2	143.0	7.8	305.0	16.0	29.0	22.0	90.0	--	--	2.60	2.9	665.0	8.0	17.8	374.0	10- 8-68
36.6906	76.9228	620	217PPSC	55B 19 FRANKLIN 3	0.4	0.1	95.0	3.5	244.0	6.4	3.2	24.0	50.0	--	--	2.70	3.4	415.0	8.2	18.0	259.0	9-24-68
36.6969	76.9550	620	217PPSC	55B 21 FRANKLIN 5	0.8	0.1	85.0	3.5	223.0	5.8	2.6	22.0	50.0	--	--	2.40	3.5	360.0	8.1	18.5	236.0	9-24-68
37.1611	76.5806	700	211CRCSU	58F 9 FT EUSTIS 3	4.5	2.3	454.0	9.0	475.0	56.0	408.0	17.0	--	--	0.80	--	2.9	--	-	--	1190.0	7- 7-42
37.1742	76.5656	700	211CRCSU	58F 1 VA OW 2 NEWPORT N	1.6	0.6	360.0	19.0	272.0	6.4	400.0	0.4	--	--	2.40	0.02	0.8	1790.0	8.2	15.0	925.0	3-29-72
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.2	2.6	468.0	22.0	454.0	58.0	460.0	18.0	--	--	0.10	--	2.4	2350.0	7.9	--	1260.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.1	2.4	468.0	23.0	450.0	58.0	456.0	17.0	--	--	0.10	--	2.5	2350.0	8.1	--	1250.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.1	2.3	468.0	23.0	452.0	57.0	460.0	16.0	--	--	0.10	--	2.5	2350.0	8.1	--	1250.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.2	2.3	465.0	23.0	454.0	56.0	458.0	17.0	--	--	0.20	--	2.5	2350.0	8.2	--	1250.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.1	2.3	465.0	23.0	452.0	58.0	458.0	17.0	--	--	0.10	--	2.5	2350.0	7.9	--	1250.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	4.9	2.1	465.0	23.0	450.0	56.0	456.0	18.0	--	--	0.10	--	2.6	2340.0	8.2	--	1249.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.3	2.1	465.0	24.0	446.0	58.0	453.0	17.0	--	--	0.10	--	2.4	2330.0	7.9	--	1250.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	32.0	87.0	1200.0	94.0	70.0	114.0	2050.0	0.6	--	--	--	--	0.4	6800.0	7.6	--	3610.0	10-28-69
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.3	2.2	465.0	22.0	449.0	56.0	454.0	19.0	--	--	0.20	--	2.5	2350.0	8.1	--	1250.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.3	2.1	462.0	23.0	448.0	56.0	456.0	18.0	--	--	0.10	--	2.5	2340.0	7.9	--	1240.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.6	2.2	465.0	23.0	452.0	56.0	454.0	18.0	--	--	0.10	--	2.4	2360.0	8.1	--	1240.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	4.9	2.1	465.0	22.0	452.0	57.0	456.0	18.0	--	--	0.10	--	2.5	2350.0	7.9	--	1250.0	1-13-70
37.1983	76.5833	700	211CRCSU	58F 2 SKIFFES CREEK	5.1	2.4	465.0	22.0	454.0	58.0	460.0	17.0	--	--	0.10	--	2.5	2360.0	7.9	--	1260.0	1-13-70
37.1553	76.5844	700	217PPSC	58F 8 FT EUSTIS 2	5.2	2.3	489.0	8.0	443.0	50.0	491.0	22.0	--	--	7.00	--	2.2	--	-	--	1300.0	7- 7-42
36.8008	76.1958	710	121CSPKU	61D 3 LAKE WRIGHT GOLF	53.0	6.4	44.0	5.0	214.0	2.0	58.0	30.0	10.0	--	1.10	0.15	0.1	500.0	-	11.0	305.0	4-17-75
36.8725	76.2036	710	211CRCSU	61C 4 USGS IW 2 NOR. VA	18.0	8.1	1160.0	1.7	635.0	140.0	1380.0	12.0	--	--	0.20	0.30	1.2	4980.0	7.9	--	3030.0	5-23-70
36.8725	76.2036	710	211CRCSU	61C 4 USGS IW 2 NOR. VA	19.0	6.6	1160.0	1.2	626.0	141.0	1390.0	12.0	--	--	0.20	0.24	1.1	4950.0	7.8	--	3040.0	5-22-70
36.8725	76.2042	710	211CRCSU	61C 2 USGS OW 2 NOR. VA	24.0	6.4	1180.0	20.0	631.0	139.0	1340.0	23.0	--	--	0.20	0.16	1.5	5700.0	7.9	--	3044.0	10-15-68
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	480.0	209.0	5280.0	87.0	222.0	410.0	9560.0	23.0	--	--	2.50	0.04	0.4	26400.0	6.9	--	16200.0	1-17-68

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	14.0	8.0	1045.0	25.0	618.0	135.0	1280.0	14.0	--	--	0.60	0.16	1.5	4840.0	8.0	--	2840.0	2-21-68
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	10.0	6.9	818.0	23.0	631.0	102.0	964.0	12.0	--	--	0.70	0.15	1.9	3900.0	7.9	--	2260.0	1-24-68
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	20.0	13.0	1290.0	27.0	568.0	140.0	1680.0	14.0	--	--	1.00	0.02	1.1	5940.0	7.8	--	3480.0	1-22-68
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	105.0	58.0	2620.0	52.0	421.0	242.0	4200.0	24.0	--	--	1.60	0.01	0.5	12600.0	7.5	--	7540.0	1-20-68
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	15.0	10.0	1110.0	26.0	616.0	137.0	1380.0	13.0	--	--	1.20	0.15	1.3	5080.0	7.8	--	3000.0	1-22-68
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	2940.0	846.0	12800.0	123.0	61.0	1050.0	26900.0	12.0	--	--	1.10	--	0.5	63800.0	6.5	--	44900.0	12-16-67
36.8731	76.2058	710	211CRCSU	61C 1 USGS TW 1 NOR. VA	2660.0	854.0	12600.0	124.0	68.0	1020.0	26000.0	54.0	--	--	1.10	0.06	0.5	61300.0	6.6	--	43600.0	12-18-67
37.2194	77.4228	730	217PPSC	51F 5 SMITH, A G	40.0	7.3	25.0	6.1	214.0	7.6	2.6	41.0	--	--	0.33	--	0.3	--	-	--	236.0	7-13-39
37.2194	77.4228	730	217PPSC	51F 5 SMITH, A G	40.0	7.3	25.0	6.1	214.0	7.6	2.6	41.0	--	--	0.33	--	0.3	--	-	--	232.0	7-13-39
36.8772	76.3811	740		MERRIFIELD SUBDIV	3.2	0.7	368.0	12.0	552.0	33.0	217.0	11.0	--	--	--	0.44	3.2	1522.0	8.0	--	920.0	6-13-69
36.8781	76.3878	740		MERRIFIELD SUBD	1.8	0.8	340.0	23.0	535.0	32.0	204.0	27.0	--	--	--	0.50	2.7	1515.0	8.0	--	895.0	6-13-69
36.8542	76.3214	740	211CRCSU	60C 7 PORTSMOUTH,	100.0	9.6	92.0	7.0	264.0	14.0	189.0	7.0	--	--	--	0.14	0.1	1039.0	7.4	--	549.0	6-13-69
36.8819	76.3064	740	211CRCSU	59D 1 TIDEWTR WTR CO 3	3.6	1.4	332.0	19.0	553.0	29.0	194.0	13.0	--	--	1.60	1.00	3.8	1550.0	8.2	22.0	876.0	9-24-70
36.5689	76.5833	800	*	58A 2 VA. OW 42	4.8	6.2	420.0	13.0	648.4	40.0	270.0	9.6	--	--	--	0.29	4.8	2000.0	8.5	18.5	1082.0	4-18-72
36.5689	76.5833	800	*	58A 2 VA. OW 42	4.5	5.3	400.0	13.0	762.4	40.0	220.0	10.0	--	--	--	0.52	4.4	1800.0	8.5	--	1068.0	4-18-72
36.5689	76.5833	800	*	58A 2 VA. OW 42	7.3	14.0	620.0	16.0	584.7	34.0	640.0	6.2	--	--	--	0.09	4.6	3000.0	8.6	19.0	1618.0	4-19-72
36.5689	76.5833	800	*	58A 2 VA. OW 42	10.0	20.0	790.0	13.0	527.2	110.0	960.0	2.8	--	--	--	0.24	4.2	4000.0	8.8	18.5	2151.0	4-19-72
36.5689	76.5833	800	*	58A 2 VA. OW 42	470.0	280.0	4900.0	120.0	334.0	960.0	8400.0	24.0	90.0	--	--	0.33	1.4	26000.0	7.5	--	15300.0	7-20-71
36.5689	76.5833	800	*	58A 2 VA. OW 42	9.5	22.0	780.0	18.0	493.3	110.0	920.0	3.2	--	--	--	0.02	4.0	4000.0	8.8	19.5	2093.0	4-14-72
36.5689	76.5833	800	*	58A 2 VA. OW 42	23.0	39.0	1200.0	6.5	350.5	93.0	1700.0	0.8	--	--	--	0.01	3.8	6000.0	8.6	16.0	3236.0	3-22-72
36.5689	76.5833	800	*	58A 2 VA. OW 42	110.0	66.0	1500.0	26.0	524.0	280.0	2200.0	9.4	--	--	--	0.04	4.0	8200.0	8.0	18.5	4454.0	4-17-72
36.5689	76.5833	800	*	58A 2 VA. OW 42	5.0	8.3	450.0	15.0	634.0	42.0	320.0	9.2	--	--	0.30	0.27	2.3	2100.0	8.2	17.0	1164.0	3-27-73
36.5689	76.5833	800	*	58A 2 VA. OW 42	240.0	130.0	2500.0	40.0	476.0	410.0	4000.0	8.8	--	--	--	0.07	4.2	13800.0	7.7	18.5	7568.0	4-18-72
36.7206	76.5828	800	*	58B236 PLANTERS NUTS 3	2.2	0.4	251.0	11.0	596.0	19.0	41.0	--	--	--	--	--	--	1120.0	7.9	--	--	7-15-69
36.7764	76.5422	800	*	58C 1 VA OW 4	3.2	1.4	310.0	14.0	610.8	35.0	136.0	22.0	40.0	--	--	1.20	3.1	1300.0	8.6	19.0	815.0	9-11-70
36.7764	76.5422	800	*	58C 1 VA OW 4	2.6	1.6	308.0	14.0	610.8	32.0	134.0	22.0	200.0	--	--	1.10	3.0	1300.0	8.6	17.0	807.0	9- 2-70
36.7764	76.5422	800	*	58C 1 VA OW 4	3.2	0.7	313.0	17.0	575.0	36.0	134.0	24.0	--	--	6.00	1.00	2.7	1380.0	8.0	21.0	816.0	7-31-69
36.7764	76.5422	800	*	58C 1 VA OW 4	1.6	1.4	313.0	17.0	574.0	36.0	136.0	24.0	--	--	0.30	0.81	3.0	1360.0	8.1	21.0	816.0	7-31-69
36.7764	76.5422	800	*	58C 1 VA OW 4	3.2	0.7	313.0	16.0	571.0	34.0	132.0	24.0	--	--	0.60	1.10	2.8	1365.0	8.2	20.0	809.0	7-31-69
36.7764	76.5422	800	*	58C 1 VA OW 4	3.2	0.8	300.0	13.0	608.4	32.0	140.0	21.0	--	--	0.60	1.00	2.8	1310.0	8.9	16.0	792.0	4-26-72
36.8997	76.4878	800	*	59D 2 CEDAR PT CTY CLUB	20.0	8.1	10.0	6.1	58.0	37.0	16.0	0.8	90.0	--	1.30	0.32	0.4	249.0	7.2	--	129.0	2-22-71
36.8997	76.4878	800	*	59D 2 CEDAR PT CTY CLUB	1.2	2.1	264.0	16.0	550.6	16.0	82.0	21.0	--	--	--	1.90	4.1	1110.0	8.9	--	670.0	9-17-70
36.6578	76.5581	800	110QRNR	58B 13 BRINKLEY, MEL 1	28.0	2.8	80.0	7.5	238.0	43.0	21.0	8.3	360.0	--	4.20	1.00	1.0	485.0	6.0	21.0	315.0	8- 5-75
36.6333	76.6567	800	121CSPKU	57B 16 FAA SUFFOLK	44.0	1.9	6.1	1.6	152.0	2.0	6.3	13.0	--	--	--	--	0.1	260.0	7.4	--	150.0	8-11-70
36.6428	76.6397	800	121CSPKU	57B 8 ANDROSEN, SOREN 1	62.0	2.0	6.1	1.8	191.0	5.0	5.6	23.0	10.0	--	0.20	0.12	0.1	300.0	7.5	15.0	200.0	8- 5-75
36.6431	76.6333	800	121CSPKU	59D 11 TIDE COMM COLL 4	71.0	2.2	13.0	2.0	196.0	29.0	17.0	--	--	--	--	--	--	400.0	7.7	--	--	7-17-69
36.7839	76.6417	800	121CSPKU	57C 20 PRUDEN, P D JR.	14.0	3.0	12.0	4.7	30.0	14.0	19.0	--	--	--	--	--	--	178.0	6.1	--	--	7- 8-69
36.9014	76.4333	800	121CSPKU	59D 14 TDEWTR COMM COL 7	70.0	5.6	6.4	2.3	196.0	19.0	18.0	9.5	--	--	4.50	--	0.1	425.0	7.4	--	231.0	7-31-69
36.9014	76.4333	800	121CSPKU	59D 14 TDEWTR COMM COL 7	64.0	4.3	12.0	2.1	180.0	25.0	15.0	11.0	10.0	--	7.10	--	0.1	410.0	8.9	16.0	229.0	11- 5-76
36.9022	76.4344	800	121CSPKU	59D 13 TDEWTR COMM COL 6	66.0	3.9	9.2	2.4	184.0	22.0	16.0	9.5	--	--	0.10	--	0.1	371.0	7.7	--	219.0	7-31-69
36.9022	76.4344	800	121CSPKU	59D 13 TDEWTR COMM COL 6	64.0	2.6	16.0	1.8	175.0	30.0	23.0	11.0	10.0	--	--	--	0.1	430.0	8.1	16.0	235.0	11- 5-76
36.9031	76.4339	800	121CSPKU	59D 12 TDEWTR COMM COL 5	66.0	2.5	12.0	6.8	187.0	25.0	22.0	12.0	10.0	--	0.50	--	0.1	430.0	9.0	16.0	239.0	11- 5-76
36.9031	76.4339	800	121CSPKU	59D 12 TDEWTR COMM COL 5	64.0	1.7	16.0	1.6	172.0	29.0	24.0	--	--	--	--	--	--	364.0	7.7	--	--	7-17-69
36.9031	76.4356	800	121CSPKU	59D 10 TDEWTR COMM COL 4	73.0	1.8	11.0	1.6	194.0	30.0	17.0	--	--	--	--	--	--	393.0	7.6	--	--	7-17-69
36.9031	76.4356	800	121CSPKU	59D 10 TDEWTR COMM COL 4	74.0	3.5	12.0	2.2	208.0	32.0	14.0	12.0	10.0	--	--	--	0.1	420.0	8.2	18.0	252.0	11- 5-76
36.9050	76.4347	800	121CSPKU	59D 9 TIDE COMM COLL 2	75.0	1.4	11.0	2.0	200.0	34.0	18.0	--	--	--	--	--	--	399.0	7.5	--	--	7-17-69
36.9050	76.4347	800	121CSPKU	59D 8 TDEWTR COMM COL	70.0	3.8	15.0	2.7	193.0	30.0	23.0	12.0	10.0	--	1.80	--	0.1	440.0	7.8	18.0	254.0	11- 5-76
36.9050	76.4347	800	121CSPKU	59D 8 TDEWTR COMM COL	70.0	2.9	21.0	2.3	192.0	34.0	34.0	--	--	--	--	--	--	468.0	7.3	--	--	7-17-69
36.6181	76.5933	800	124EOCN	58A 64 CYPRES CHAPEL SCH	2.8	0.7	292.0	14.0	714.0	10.0	14.0	9.3	--	--	3.30	1.30	4.0	1060.0	8.2	--	702.0	7- 7-70
36.6172	76.5625	800	125PLCN	58A 1 VA. OW 36	2.4	1.7	300.0	13.0	804.0	2.0	30.0	3.0	--	--	0.60	0.83	4.2	1200.0	8.7	14.5	740.0	4-28-72
36.6172	76.5625	800	125PLCN	58A 1 VA. OW 36	2.3	3.3	311.0	12.0	775.0	16.0	26.0	9.9	--	--	2.50	--	6.4	--	-	--	771.0	9- 4-39
36.6172	76.5625	800	125PLCN	58A 1 VA. OW 36	3.4	1.1	298.0	15.0	817.9	5.0	30.0	1.9	--	--	0.40	0.63	4.1	1200.0	8.6	17.0	749.0	9-10-70
36.6639	76.5608	800	125PLCN	58B232 N B BROTHERS WELL	2.4	2.1	360.0	20.0	964.0	26.0	33.0	11.0	10.0	--	1.50	0.25	3.8	1430.0	-	19.0	938.0	10-19-76
36.8022	76.6311	800	210CRCS*	57C 15 LAKE PRINCE 2	1.0	0.5	208.0	5.6	506.0	11.0	21.0	30.0	--	--	1.30	2.10	3.0	839.0	8.0	--	534.0	11-28-67
36.5683	76.7514	800	211CRCSU	56A 7 ARTHUR, J FR 6	1.6	1.2	150.0	11.0	386.0	4.0	1.2	--	--	--	--	--	--	640.0	8.0	--	--	6-27-72
36.5736	76.7664	800	211CRCSU	56A 6 CALE THOMAS FR 5	1.2	1.2	220.0	13.0	560.0	6.8	10.0	--	--	--	--	--	--	960.0	8.3	--	--	6-27-72
36.5881	76.6839	800	211CRCSU	57A 3 WHALEYVILLE P D	1.8	0.7	224.0	13.0	563.0	4.4	11.0	10.0	--	--	--	0.30	3.8	850.0	8.1	--	552.0	7- 6-72
36.5881	76.6839	800	211CRCSU	57A 3 WHALEYVILLE P D	1.8	0.7	224.0	13.0	563.0	4.4	11.0	10.0	2100.0	--	--	0.36	3.8	850.0	8.1	--	552.0	8-11-70
36.6486	76.8297	800	211CRCSU	58C 44 THOMPSON A.L.	1.4	0.5	175.0	8.6	420.0	12.0	16.0	--	--	--	--	--	--	760.0	7.7	--	--	7- 8-69
36.7119	76.6606	800	211CRCSU	57B 5 MAPLE HILL WATER	0.8	0.4	182.0	9.4	434.0	9.0	15.0	18.0	--	--	0.20	--	3.8	735.0	8.1	--	452.0	7-28-69

Table 8.--Chemical analyses of selected ground-water samples from the Coastal Plain of Virginia--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
36.7250	76.3800	800	211CRCSU	58B235 PLANTERS NUTS 1	--	1.2	228.0	9.4	570.0	9.0	22.0	--	--	--	--	--	--	985.0	8.0	--	--	7-15-69
36.7494	76.5331	800	211CRCSU	58B267 GREEN PINES MOTEL	0.8	1.4	244.0	11.0	580.0	7.4	22.0	12.0	--	--	1.70	1.30	5.4	947.0	8.2	--	592.0	9- 8-70
36.7808	76.6228	800	211CRCSU	58C 41 KINGS FORK EL SCH	1.2	0.2	187.0	8.1	470.0	5.0	7.0	13.0	--	--	--	1.30	4.7	700.0	8.2	--	459.0	8-11-70
36.8161	76.4639	800	211CRCSU	59C 27 LOTZ, RUDOLPH	0.6	1.4	220.0	9.9	525.3	9.8	31.0	15.0	--	--	0.10	1.80	4.5	885.0	8.4	--	549.0	9-17-70
36.8167	76.4686	800	211CRCSU	59C 8 WVEC RADIO	2.0	1.2	270.0	12.0	579.1	13.0	62.0	13.0	--	--	0.30	0.89	4.5	1060.0	8.3	--	663.0	10- 9-70
36.8261	76.5028	800	211CRCSU	58C 35 DRIVER MIDDLE SCH	5.4	2.1	249.0	10.0	351.0	57.0	131.0	11.0	--	--	1.40	0.88	3.6	1020.0	8.1	--	644.0	8-13-70
36.8486	76.5911	800	211CRCSU	58C 37 OAKLAND ELEM SCH	1.6	0.2	213.0	10.0	494.0	9.0	19.0	14.0	--	--	1.10	1.60	4.6	780.0	8.0	--	517.0	8-11-70
36.8486	76.5911	800	211CRCSU	58C 37 OAKLAND ELEM SCH	1.6	0.6	176.0	7.4	440.2	1.0	5.6	14.0	--	--	0.60	1.50	4.5	653.0	8.3	--	426.0	8- 7-70
36.8519	76.5900	800	211CRCSU	58C 43 OAKLAND WATER CO.	0.8	0.5	167.0	8.0	431.0	5.6	5.3	15.0	--	--	0.20	1.90	4.7	677.0	8.2	--	421.0	9-28-70
36.8639	76.4389	800	211CRCSU	59C 24 BELLEVILLE HOME	2.6	9.7	268.0	12.0	559.0	20.0	67.0	12.0	--	--	1.40	0.84	4.4	1090.0	8.2	--	664.0	9-28-70
36.8644	76.5831	800	211CRCSU	58C 39 GODWIN B W	0.8	0.5	178.0	7.7	439.0	5.8	5.8	13.0	--	--	1.10	1.60	4.6	670.0	8.2	--	435.0	8-11-70
36.8661	76.5019	800	211CRCSU	58C 33 TIDEWTR WATER CO.	--	1.4	223.0	10.0	542.0	8.6	27.0	14.0	--	--	0.50	1.60	4.9	918.0	8.1	--	558.0	9-28-70
36.8700	76.4792	800	211CRCSU	59C 23 EBERWINE, FRED	--	2.2	244.0	12.0	544.0	12.0	52.0	13.0	--	--	0.70	1.40	4.9	1010.0	8.2	--	610.0	9- 8-70
36.8717	76.4631	800	211CRCSU	59C 13 TIDEWTR WATER CO.	2.4	1.4	253.0	7.0	536.0	17.0	65.0	12.0	--	--	--	1.00	3.7	1061.0	8.0	--	627.0	6-13-69
36.5781	76.7647	800	217PPSC	56A 5 CALE,THOMAS FR 4	1.2	1.0	270.0	14.0	668.0	15.0	29.0	--	--	--	--	--	--	1200.0	8.2	--	--	6-27-72
36.5850	76.6697	800	217PPSC	57A 2 BRANTON R FR 8	1.2	0.8	270.0	14.0	668.0	23.0	42.0	--	--	--	--	--	--	1220.0	8.3	--	--	7- 6-72
36.5967	76.6742	800	217PPSC	57A 5 WHALEYVILLE 2	2.0	0.5	288.0	14.0	677.0	15.0	39.0	11.0	--	--	1.90	1.00	4.6	1100.0	8.2	--	710.0	8-11-70
36.6022	76.6686	800	217PPSC	57A 1 WHALEYVILLE H D	2.8	0.5	257.0	16.0	643.2	16.0	34.0	11.0	190.0	--	--	0.97	2.5	1160.0	8.3	17.8	656.0	10-10-68
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	4.4	4.9	790.0	25.0	658.3	320.0	610.0	17.0	120.0	--	--	--	0.7	305.0	-	--	2100.0	5-28-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	2.6	2.2	240.0	18.0	429.0	50.0	100.0	13.0	10.0	--	0.10	--	1.1	10000.0	-	--	639.0	5-30-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	5.2	3.8	540.0	23.0	561.0	200.0	300.0	18.0	--	--	--	0.03	1.2	2355.0	-	--	1450.0	6- 2-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	2.1	1.6	160.0	15.0	384.0	2.2	3.0	13.0	10.0	--	--	0.06	1.2	625.0	-	--	368.0	6- 5-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	3.5	2.5	130.0	17.0	373.0	2.3	3.5	13.0	10.0	--	0.30	--	1.2	550.0	-	16.0	357.0	10-30-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	3.2	2.7	130.0	16.0	369.0	2.0	3.2	13.0	10.0	--	0.30	--	1.1	520.0	-	16.5	354.0	10-30-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	3.9	2.5	140.0	16.0	373.0	2.1	3.9	13.0	50.0	--	0.40	--	1.1	540.0	-	16.5	367.0	10-30-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	3.4	2.2	130.0	16.0	375.0	1.9	3.4	12.0	100.0	--	0.90	--	1.1	520.0	-	16.5	356.0	10-30-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	4.0	4.6	750.0	23.0	645.3	300.0	580.0	17.0	40.0	--	--	--	0.7	3120.0	-	--	2000.0	5-29-75
36.6069	76.8739	800	217PPSC	56A 9 VA. OW 76	5.3	5.7	900.0	25.0	714.8	390.0	730.0	18.0	100.0	--	--	--	0.7	350.0	-	--	2430.0	5-28-75
36.6278	76.6333	800	217PPSC	58C 38 MCCLENNY, ROBERT	1.0	0.7	205.0	9.9	530.1	5.4	12.0	14.0	--	--	1.30	1.40	5.1	840.0	8.3	--	515.0	9-28-70
36.6278	76.6333	800	217PPSC	58C 38 MCCLENNY, ROBERT	0.6	1.3	197.0	9.7	500.0	5.6	13.0	14.0	--	--	0.10	1.90	5.6	805.0	8.2	--	495.0	9-10-70
36.6278	76.6333	800	217PPSC	58C 38 MCCLENNY, ROBERT	--	2.2	210.0	11.0	536.0	6.0	16.0	13.0	--	--	0.80	1.80	5.4	880.0	8.1	--	530.0	9-10-70
36.6436	76.8908	800	217PPSC	55B 9 UNION CAMP 9	1.0	0.4	157.0	8.6	363.0	17.0	31.0	22.0	30.0	--	--	2.50	4.0	705.0	8.2	20.0	422.0	9-25-68
36.6439	76.7125	800	217PPSC	57B 4 COPELAN,JACK FR 7	1.0	0.8	240.0	10.0	562.0	10.0	15.0	--	--	--	--	--	--	980.0	8.2	--	--	6-27-72
36.6492	76.8294	800	217PPSC	56B 9 RAWLS, J E	0.9	0.8	170.0	7.7	435.0	8.2	14.0	17.0	130.0	--	0.70	1.80	6.3	650.0	-	16.0	442.0	4-29-75
36.7133	76.6536	800	217PPSC	57B 6 FOREST GLEN H S	1.4	0.8	182.0	8.2	462.0	12.0	20.0	--	--	--	--	--	--	810.0	7.9	--	--	7- 8-69
36.7133	76.6536	800	217PPSC	57B 6 FOREST GLEN H S	1.1	0.6	180.0	6.5	464.0	8.6	15.0	18.0	260.0	--	0.10	1.90	5.3	700.0	-	21.0	466.0	5- 6-75
36.7225	76.6258	800	217PPSC	57B 7 KILBY SHORES	1.8	0.2	198.0	9.4	508.0	10.0	18.0	--	--	--	--	--	--	900.0	7.9	--	--	7-15-69
36.7250	76.6036	800	217PPSC	50B 5 PORTSMOUTH	1.6	0.4	211.0	8.2	530.0	7.8	19.0	--	--	--	--	--	--	920.0	8.0	--	--	7-15-69
36.7411	76.5589	800	217PPSC	58B 11 HARRELL & SONS	1.4	0.2	207.0	11.0	524.0	8.6	17.0	--	--	--	--	--	--	900.0	7.8	--	--	7- 8-69
36.7411	76.5589	800	217PPSC	58B 11 HARRELL & SONS	1.6	0.8	210.0	7.7	530.0	7.8	15.0	16.0	10.0	--	0.50	1.50	5.7	790.0	-	22.0	528.0	4-21-75
36.7472	76.5883	800	217PPSC	58B 2 SUFFOLK, CITY OF	2.3	0.8	213.0	6.7	518.0	13.0	25.0	21.0	--	--	0.06	--	--	--	-	--	537.0	9-14-29
36.7472	76.5883	800	217PPSC	58B 2 SUFFOLK, CITY OF	2.3	0.8	213.0	6.7	518.0	13.0	--	21.0	200.0	--	--	--	--	--	-	--	--	9-14-29
36.7472	76.5883	800	217PPSC	58B 2 SUFFOLK, CITY OF	4.7	1.9	242.0	7.6	638.0	13.0	18.0	12.0	20.0	--	--	--	--	--	-	--	614.0	8- 8-29
36.7747	76.6153	800	217PPSC	58C 40 MT. ZION ELEM SCH	1.8	0.1	210.0	9.4	518.3	5.0	6.9	13.0	--	--	1.10	1.40	4.6	750.0	8.3	--	503.0	8-11-70
36.7747	76.6153	800	217PPSC	58C 40 MT. ZION ELEM SCH	0.8	0.4	191.0	5.9	471.0	9.0	7.6	--	--	--	--	--	--	771.0	8.0	--	--	7- 8-69
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	13.0	11.0	1200.0	9.0	610.0	430.0	1200.0	27.0	10.0	--	0.10	0.13	0.6	5400.0	7.6	19.0	3196.0	3-22-72
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	11.0	9.0	880.0	29.0	468.0	360.0	920.0	20.0	--	--	--	--	0.6	4300.0	7.9	18.5	2460.0	4-13-72
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	9.5	5.6	550.0	21.0	334.0	220.0	580.0	10.0	--	--	--	0.02	0.5	2800.0	7.8	19.0	1561.0	4-13-72
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	9.8	7.2	750.0	26.0	426.0	300.0	760.0	17.0	--	--	--	0.02	0.5	3700.0	7.5	18.5	2082.0	4-13-72
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	15.0	1.4	6.0	6.8	60.0	11.0	3.7	2.0	--	--	0.80	0.14	0.2	138.0	7.2	16.0	77.0	3-20-73
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	8.8	1.8	18.0	7.6	56.0	5.2	21.0	0.4	--	--	0.10	0.12	0.2	170.0	7.2	17.5	95.0	3-22-72
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	2.2	1.1	130.0	12.0	333.0	8.8	3.5	11.0	--	--	0.60	0.34	1.7	570.0	7.9	17.0	335.0	4-13-72
36.5864	76.8247	800	217PTMC*	56A 1 VA. OW 47	12.0	8.8	930.0	31.0	464.0	380.0	980.0	19.0	--	--	0.10	0.03	0.5	4600.0	7.8	18.5	2590.0	4-14-72
36.6436	76.8908	800	217PTMC*	55B 39 UNION CAMP 9A	0.3	0.4	200.0	6.5	365.0	46.0	65.0	30.0	10.0	--	--	2.30	5.0	720.0	7.9	19.0	536.0	3-22-75
36.8925	76.1881	810	211CRCSU	63D 2 NEPRATEX CORP.	31.0	16.0	1600.0	42.0	658.4	170.0	1900.0	15.0	--	--	--	0.09	1.0	7500.0	7.2	17.0	4100.0	12- 6-79

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[1] Unreasonable WATSTORE value was changed to agree with data records maintained by local U.S. Geological Survey offices.

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina.

[Results in milligrams per liter except as indicated]

County: Codes are defined in table 3.
Geologic unit code: Codes are defined in table 4.
Iron and Aluminum: Micrograms per liter. One milligram equals 1000 micrograms.
Specific conductance: Microsiemens per centimeter at 25° Celsius.
pH: Negative base-10 logarithm of hydrogen ion activity in moles per liter.
Temperature: Degrees Celsius.
Collection date: Month, day and year of sample collection.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.5619	76.6217	013	122YRKN	MCDNR BO-190	56.0	15.0	80.0	16.0	448.0	4.2	18.0	43.0	--	--	0.30	0.13	0.4	714.0	7.6	18.0	453.0	8- 9-66
35.5125	76.8453	013	124CSLH	T SAWYER, BO-217	74.0	17.0	--	--	327.0	0.1	5.4	62.0	--	--	1.50	--	0.6	--	7.5	--	--	3-18-55
35.5481	76.6292	013	124CSLH	BELHAVEN MUN, BO-183	28.0	37.0	179.0	26.0	444.0	14.0	186.0	47.0	--	--	0.20	--	0.9	1300.0	7.7	--	736.0	4-29-65
35.5481	76.6294	013	124CSLH	BELHAVEN MUN BO-184	42.0	32.0	200.0	26.0	456.0	18.0	225.0	48.0	--	--	0.10	--	0.9	1500.0	7.6	18.5	817.0	4-29-65
35.5481	76.6297	013	124CSLH	BELHAVEN MUN, BO-185	35.0	28.0	190.0	24.0	454.0	15.0	185.0	47.0	--	--	0.10	--	0.9	1300.0	8.1	18.5	748.0	4-29-65
35.5481	76.6297	013	124CSLH	BELHAVEN MUN, BO-185	36.0	28.0	189.0	23.0	451.0	17.0	185.0	45.0	--	--	0.20	0.06	0.8	--	7.8	19.5	745.0	8-31-65
35.5522	77.0506	013	124CSLH	WASHINGTON MUN BO-220	65.0	4.2	--	--	216.0	11.0	5.0	27.0	--	--	0.10	--	--	382.0	7.1	--	226.0	6-26-51
35.5522	77.0506	013	124CSLH	WASHINGTON MUN BO-220	28.0	16.0	135.0	7.1	354.4	14.0	99.0	10.0	--	--	0.40	0.40	0.9	850.0	8.4	--	486.0	6- 2-59
35.6056	76.6847	013	124CSLH	O JONES BO-207	49.0	28.0	38.0	24.0	400.0	0.1	19.0	52.0	--	--	1.50	--	0.6	--	7.7	--	409.0	3-18-55
35.6250	76.7000	013	211PEED	USGS, BO-29	90.0	22.0	25.0	5.5	425.0	5.8	25.0	64.0	--	--	1.10	--	0.4	801.0	7.4	--	448.0	10- 7-66
35.6250	76.7000	013	211PEED	USGS, BO-29	145.0	163.0	4180.0	108.0	460.0	598.0	6720.0	10.0	--	--	0.40	--	1.3	20300.0	7.7	18.5	12200.0	9-29-66
35.6250	76.7000	013	211PEED	USGS, BO-29	25.0	26.0	612.0	40.0	488.0	62.0	765.0	17.0	--	--	0.30	--	1.6	3140.0	8.1	18.0	1760.0	10- 5-66
35.6250	76.7000	013	211PEED	USGS, BO-29	34.0	21.0	342.0	26.0	479.0	26.0	386.0	26.0	--	--	0.30	--	1.4	1980.0	7.9	18.0	1100.0	10- 7-66
35.6250	76.7000	013	211PEED	USGS, BO-29	122.0	28.0	32.0	12.0	545.0	16.0	24.0	76.0	--	--	1.60	0.03	0.4	839.0	7.6	--	580.0	10- 7-66
35.2050	76.7694	015	125BFRT	COLERAIN MUN BE-28	24.0	13.0	27.0	--	198.0	3.3	3.2	51.0	--	--	--	--	0.7	--	7.4	--	224.0	7- 3-47
35.2942	76.8811	015	211BKCK	C W WADE BE-26	7.7	6.6	80.0	27.0	311.0	6.0	4.0	16.0	--	--	0.30	--	0.4	493.0	7.6	--	297.0	9-28-55
35.9917	76.9500	015	211BKCK	WINDSOR M C-32	17.0	4.0	95.0	--	216.0	24.0	42.0	26.0	--	--	0.10	--	1.3	520.0	6.9	--	316.0	5-17-49
35.9986	76.9472	015	211BKCK	WINDSOR MUN BE-64	0.8	0.4	270.0	12.0	420.0	56.0	137.0	15.0	--	--	--	--	3.4	1200.0	8.0	--	703.0	9-27-55
36.0014	76.9472	015	211BKCK	WINDSOR MUN BE-63	3.3	1.8	245.0	12.0	413.0	52.0	115.0	19.0	--	--	1.00	--	2.5	1090.0	7.8	--	656.0	9-27-55
36.0350	76.7172	015	211BKCK	UNKNOWN BE-72	29.0	18.0	98.0	18.0	403.0	11.0	24.0	38.0	--	--	1.30	--	0.8	680.0	7.8	16.0'	436.0	9-27-55
36.2222	77.1222	015	211BKCK	AULANDER MUN BE-11	47.0	3.6	14.0	1.8	175.0	5.3	12.0	49.0	--	--	1.60	--	0.1	324.0	7.0	20.0	221.0	9-27-55
36.2278	76.9375	015	211BKCK	POWELLSVILLE BE-21	2.8	2.2	140.0	15.0	387.0	5.8	14.0	20.0	--	--	1.60	--	1.2	632.0	7.8	19.5	395.0	9-27-55
34.4208	78.2578	017	110QPLC	R SQUIRES BL-8	12.0	9.0	320.0	13.0	127.0	19.0	483.0	7.7	--	--	0.50	0.10	0.2	1770.0	7.6	--	927.0	1-12-56
34.4208	78.2578	017	110QPLC	R SQUIRES BL-8	13.0	17.0	352.0	4.4	252.0	20.0	454.0	7.0	--	--	--	0.30	0.5	1800.0	7.7	--	993.0	4-26-60
34.5833	78.4514	017	110QPLC	SINGLETARY LAKE BL-35	2.6	1.6	3.5	1.0	16.0	0.3	3.0	29.0	--	--	--	0.20	--	36.0	6.6	--	50.0	4-26-60
34.6375	78.4861	017	211BKCK	GOLDSTON BEACH BL-40	29.0	8.0	21.0	5.2	188.0	0.7	2.0	41.0	--	--	--	0.90	0.1	280.0	7.9	--	202.0	4-26-60
34.6297	78.6136	017	211CRCS*	GREENE BROS BL-42	2.4	0.5	38.0	4.1	103.0	0.1	4.0	40.0	--	--	0.80	5.10	0.4	190.0	7.3	--	147.0	11-14-58
34.4217	78.4661	017	211CRCS3	HOLMES ESTATE BL-6	37.0	2.7	--	--	134.0	0.7	4.0	16.0	--	--	0.30	--	0.3	--	7.7	--	134.0	3- 9-54
34.4903	78.6592	017	211CPCS4	CLARKTOWN MUN BL-22	6.2	2.0	35.0	4.6	115.0	1.6	4.7	35.0	--	--	0.40	0.60	0.1	190.0	7.7	19.5	147.0	10-21-64
34.4950	78.6533	017	211CRCS4	CLARKTOWN MUN BL-23	2.9	0.1	43.0	3.8	122.1	1.0	4.4	43.0	--	--	0.01	3.80	0.2	205.0	8.5	--	163.0	4-30-60
34.4950	78.6533	017	211CRCS4	CLARKTOWN MUN BL-23	--	0.3	46.0	3.5	112.0	2.0	5.0	29.0	--	--	--	2.10	0.5	200.0	7.6	19.5	144.0	10-21-64
34.4722	78.2014	017	211CRCS5	NEWBYS PLACE BL-12	8.0	1.7	185.0	24.0	338.0	9.1	145.0	12.0	--	--	0.80	--	--	955.0	8.1	--	552.0	12-30-54
34.4636	78.3222	017	211PEED	BAPTIST CHURCH, BL-13	52.0	9.6	30.0	5.6	242.1	0.4	34.0	18.0	--	--	0.80	--	--	461.0	8.3	--	270.0	4-25-56
34.4683	78.3278	017	211PEED	KELLY SCHOOL BL-14	18.0	5.8	100.0	8.9	263.0	2.2	67.0	17.0	--	--	0.80	--	--	614.0	7.8	--	349.0	4-27-55
33.9578	78.3931	019	110QPLC	SHALLOTTE HIGH SCH BR-38	17.0	19.0	15.0	2.1	164.0	1.5	14.0	32.0	--	--	--	0.10	0.2	295.0	7.7	--	182.0	5- 3-60
33.8889	78.5667	019	124CSLH	C COLEMAN BR-33	22.0	22.0	7.8	0.7	176.0	1.3	12.0	9.1	--	--	--	0.10	0.1	303.0	7.9	--	162.0	5- 3-60
33.9114	78.1244	019	124CSLH	LONG BEACH MUN BR-16	95.0	7.3	86.0	3.8	323.0	0.6	142.0	29.0	--	--	1.80	--	--	--	7.3	--	525.0	8- 6-58
33.9217	78.0192	019	124CSLH	SOUTHPORT MUN BR-9	61.0	2.0	11.0	0.6	192.0	0.1	9.6	17.0	--	--	0.70	0.10	--	365.0	7.6	--	198.0	9-12-57
33.9217	78.0192	019	124CSLH	SOUTHPORT MUN BR-9	58.0	4.1	10.0	0.6	193.0	2.1	9.7	16.0	--	--	1.00	0.10	--	365.0	-	--	197.0	9-12-57
33.9217	78.0192	019	124CSLH	SOUTHPORT MUN BR-9	56.0	4.0	18.0	1.6	190.0	0.8	28.0	14.0	--	--	0.40	0.10	0.1	355.0	7.6	19.5	216.0	10-22-64
33.9814	77.9814	019	124CSLH	US ARMY TERMINAL, BR-18	80.0	2.4	6.0	1.0	243.0	0.4	19.0	16.0	--	--	0.60	--	--	403.0	-	19.0	245.0	12-12-69
33.9814	77.9814	019	124CSLH	US ARMY TERMINAL, BR-18	73.0	2.4	7.3	0.7	230.0	2.0	13.0	10.0	--	--	0.50	0.10	0.1	392.0	7.4	19.5	243.0	9-20-61
33.9814	77.9814	019	124CSLH	US ARMY TERMINAL, BR-18	44.0	21.0	10.0	0.8	247.0	0.3	15.0	17.0	--	--	0.50	0.10	--	408.0	7.3	20.0	231.0	3-26-57
33.9814	77.9814	019	124CSLH	US ARMY TERMINAL, BR-18	80.0	3.0	8.4	0.9	245.0	0.2	16.0	19.0	--	--	0.60	0.10	0.2	442.0	7.3	20.0	250.0	6-29-59
33.9814	77.9814	019	124CSLH	US ARMY TERMINAL, BR-18	79.0	2.3	8.3	1.0	250.0	0.2	13.0	21.0	--	--	--	--	0.1	425.0	7.4	--	248.0	9-20-60
33.9819	78.0278	019	124CSLH	US ARMY TERMINAL BR-23	55.0	2.2	--	--	172.0	1.7	10.0	12.0	--	--	0.50	--	0.1	--	7.3	--	--	11-29-53
33.9819	78.0278	019	124CSLH	US ARMY TERMINAL BR-23	5.4	0.9	8.8	1.0	28.0	1.8	9.6	22.0	--	--	0.20	--	--	90.0	5.9	20.0	64.0	3-26-57
33.9928	77.9747	019	124CSLH	US ARMY TERMINAL BR-19	43.0	14.0	17.0	1.9	210.0	0.5	27.0	70.0	--	--	0.50	0.10	--	407.0	7.2	20.0	278.0	3-26-57
33.9928	77.9747	019	124CSLH	US ARMY TERMINAL BR-19	70.0	7.9	13.0	5.6	240.0	1.2	30.0	43.0	--	--	0.60	0.10	0.3	--	7.5	20.0	290.0	6-29-59
33.9928	77.9747	019	124CSLH	US ARMY TERMINAL BR-19	62.0	2.8	16.0	2.1	206.0	3.0	24.0	38.0	--	--	0.60	0.07	0.1	371.0	7.6	19.0	253.0	12-12-69

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
34.0019	77.8875	019	124CSLH	US ARMY TERMINAL BR-21	45.0	13.0	19.0	2.3	216.0	0.2	29.0	47.0	--	--	0.30	--	0.1	417.0	7.3	--	262.0	3-26-57
34.0019	77.8875	019	124CSLH	US ARMY TERMINAL BR-21	79.0	4.9	11.0	1.8	254.0	0.7	20.0	25.0	--	--	0.30	--	0.2	472.0	7.5	--	268.0	6-29-59
34.0019	77.8875	019	124CSLH	US ARMY TERMINAL BR-21	71.0	4.6	9.5	3.0	248.0	1.6	17.0	25.0	--	--	0.60	--	--	403.0	7.3	19.0	254.0	12-12-69
34.0069	77.8856	019	124CSLH	US ARMY TERMINAL BR-20	44.0	22.0	25.0	8.7	239.0	--	54.0	66.0	--	--	0.30	--	0.1	534.0	7.1	--	339.0	3-26-57
34.0069	77.8856	019	124CSLH	US ARMY TERMINAL BR-20	81.0	6.4	9.7	2.3	264.0	0.3	20.0	20.0	--	--	0.40	0.10	0.2	490.0	7.3	19.5	271.0	6-29-59
34.0069	77.8856	019	124CSLH	US ARMY TERMINAL BR-20	72.0	11.0	32.0	8.7	274.0	0.2	58.0	44.0	--	--	0.70	--	0.3	585.0	7.5	--	362.0	9-20-60
34.0069	77.8856	019	124CSLH	US ARMY TERMINAL BR-20	64.0	9.0	11.0	6.6	237.0	0.4	23.0	42.0	--	--	--	--	1.3	442.0	7.5	18.5	275.0	9-20-61
34.0069	77.8856	019	124CSLH	US ARMY TERMINAL BR-20	65.0	8.3	14.0	7.2	242.0	3.0	17.0	41.0	--	--	0.50	--	0.3	425.0	8.2	--	275.0	10-30-62
34.0092	77.9025	019	124CSLH	US ARMY TERMINAL BR-22	61.0	18.0	8.5	1.9	274.0	0.8	18.0	17.0	--	--	0.30	--	--	471.0	7.1	20.0	261.0	3-26-57
34.0092	77.9025	019	124CSLH	US ARMY TERMINAL BR-22	83.0	5.2	9.2	1.1	268.0	0.1	16.0	18.0	--	--	1.40	0.10	0.2	482.0	7.4	19.5	266.0	6-29-59
34.0092	77.9025	019	124CSLH	US ARMY TERMINAL BR-22	84.0	6.6	7.0	1.7	277.0	0.8	17.0	12.0	--	--	0.50	--	--	435.0	7.4	19.0	266.0	12-12-69
34.0125	78.2731	019	124CSLH	J PARKER BR-43	22.0	24.0	5.5	1.1	184.0	2.6	10.0	11.0	--	--	--	0.10	0.1	297.0	8.0	--	167.0	5- 2-60
34.0486	78.0353	019	124CSLH	HASTIE AND REEVES BR-24	32.0	0.6	--	--	98.0	--	10.0	3.6	--	--	--	--	--	--	7.3	--	--	5-14-56
33.9731	78.3886	019	211CRCS5	R BELLAMY BR-40	6.0	11.0	770.0	24.0	688.0	26.0	760.0	12.0	--	--	--	--	0.8	3300.0	8.2	--	1950.0	5- 3-60
34.2025	78.2117	019	211CRCS5	W H WILLETT BR-67	13.0	8.8	955.0	57.0	679.0	38.0	1090.0	9.7	--	--	0.60	--	1.4	3390.0	7.8	--	2510.0	1-14-70
35.9133	78.4314	019	211CRCS5	CROSS AND GREEN BR-30	9.2	9.6	880.0	30.0	624.0	48.0	1070.0	12.0	--	--	--	--	0.5	4120.0	8.1	--	2370.0	5- 3-60
33.9164	78.2583	019	211PEED	J HOLDEN BR-27	21.0	24.0	27.0	1.4	186.0	1.0	36.0	12.0	--	--	--	0.10	--	388.0	7.0	--	215.0	5- 3-60
36.3125	76.1403	029	110QPLC	B H CARTWRIGHT CA-72	19.0	13.0	44.0	2.0	22.0	71.0	70.0	22.0	--	--	0.80	--	0.1	467.0	6.6	--	506.0	5-15-62
36.3222	76.0556	029	110QPLC	S G WRIGHT CA-59	9.3	2.4	3.7	1.1	25.0	14.0	3.0	5.3	--	--	1.30	--	--	100.0	6.7	19.5	56.0	5-15-62
36.3319	76.1819	029	110QPLC	CAMDEN CO ELEM SCH CA-31	8.0	6.9	17.0	0.9	9.0	36.0	26.0	22.0	--	--	0.20	--	--	201.0	6.0	--	121.0	5-22-62
36.4258	76.3139	029	110QPLC	B BRITCHARD CA-19	72.0	22.0	64.0	40.0	390.0	42.0	52.0	8.5	--	--	10.00	--	0.1	902.0	7.8	14.5	503.0	5-14-62
36.4819	76.2681	029	110QPLC	B PRITCHARD CA-21	8.0	6.9	17.0	0.9	9.0	36.0	26.0	22.0	--	--	0.20	--	--	201.0	6.8	--	124.0	5-14-62
36.2417	76.0306	029	122YRKN	W G KIGHT CA-64	9.4	33.0	371.0	29.0	369.0	1.0	440.0	43.0	--	--	--	3.00	0.3	2100.0	7.3	--	1110.0	6-19-62
36.2425	76.0250	029	122YRKN	G NEEDHAM CA-63	21.0	15.0	34.0	14.0	162.0	0.4	51.0	51.0	--	--	--	0.50	0.1	430.0	7.0	--	267.0	6-19-62
36.2689	76.0392	029	122YRKN	BURGESS CA-62	32.0	29.0	78.0	28.0	280.0	0.2	124.0	51.0	--	--	--	--	0.1	848.0	7.2	--	482.0	5- 1-62
36.2778	76.1083	029	122YRKN	E CARTWRIGHT CA-70	2.8	2.2	20.0	0.5	20.0	14.0	16.0	26.0	--	--	--	--	0.1	160.0	5.8	--	91.0	5- 2-61
36.3008	76.0856	029	122YRKN	J T KIGHT CA-58	24.0	39.0	1000.0	30.0	708.0	33.0	1240.0	24.0	--	--	--	--	0.4	5000.0	7.6	--	2740.0	4-27-62
36.3014	76.1583	029	122YRKN	D TOLER CA-71	72.0	29.0	186.0	15.0	325.0	1.0	313.0	41.0	--	--	--	0.50	0.1	1510.0	7.2	--	818.0	6-20-60
36.3014	76.2014	029	122YRKN	J F FOREHAND CA-38	42.0	31.0	149.0	20.0	379.0	0.6	192.0	50.0	--	--	--	2.00	0.1	1200.0	7.4	--	673.0	6-20-62
36.3153	76.1828	029	122YRKN	C O ROBERSON CA-37	69.0	30.0	180.0	16.0	357.0	4.6	294.0	44.0	--	--	--	0.30	0.1	1500.0	7.3	--	814.0	5- 1-62
36.3181	76.1750	029	122YRKN	R CUTHRELL CA-36	8.8	6.3	169.0	14.0	338.0	0.4	126.0	29.0	--	--	--	--	0.2	920.0	8.1	--	520.0	3-16-62
36.3194	76.1222	029	122YRKN	E S WHITE CA-73	74.0	13.0	26.0	3.8	294.0	0.2	37.0	13.0	--	--	--	--	0.1	508.0	7.3	--	312.0	6-18-62
36.3222	76.1250	029	122YRKN	E S WHITE CA-74	29.0	43.0	405.0	38.0	497.0	4.2	520.0	33.0	--	--	--	--	0.1	2450.0	7.7	23.5	1320.0	8- 1-59
36.3253	76.1708	029	122YRKN	CAMDEN HI SCH CA-34	68.0	14.0	50.0	6.5	331.0	0.2	32.0	51.0	--	--	--	0.40	0.2	648.0	7.2	--	385.0	5- 1-62
36.3306	76.1639	029	122YRKN	E A DAVENPORT CA-41	41.0	48.0	311.0	32.0	467.0	4.2	456.0	39.0	--	--	--	0.10	0.2	2130.0	7.4	--	1160.0	1-18-62
36.3361	76.0806	029	122YRKN	G DOUGH CA-54	40.0	53.0	532.0	38.0	503.0	14.0	744.0	34.0	--	--	--	--	0.3	3100.0	7.7	--	1700.0	3- 1-57
36.3419	76.0700	029	122YRKN	H KIGHT CA-55	31.0	9.0	26.0	6.5	164.0	1.2	30.0	48.0	--	--	--	0.10	0.1	350.0	7.3	--	233.0	1-30-62
36.3458	76.1536	029	122YRKN	E A HARRIS NC-28	66.0	14.0	17.0	7.8	293.0	2.6	16.0	16.0	--	--	--	--	0.3	496.0	7.5	--	284.0	11-21-61
36.3472	76.1522	029	122YRKN	E A HARRIS CA-42	59.0	23.0	26.0	12.0	310.0	0.8	41.0	49.0	--	--	--	--	0.1	576.0	7.6	--	364.0	7- 1-61
36.3653	76.1625	029	122YRKN	H E COOKE CA-47	54.0	22.0	22.0	13.0	297.0	0.4	30.0	42.0	--	--	--	--	0.2	538.0	7.4	--	330.0	6- 7-62
36.4200	76.1864	029	122YRKN	G WOOD CA-50	15.0	6.2	62.0	7.5	64.0	46.0	77.0	8.9	--	--	--	0.20	0.1	495.0	6.9	--	254.0	5- 1-62
36.4394	76.3347	029	122YRKN	USA CORPS OF ENG CA-2	31.0	13.0	75.0	9.5	195.0	2.4	99.0	34.0	--	--	--	0.70	0.2	670.0	7.1	--	361.0	5- 1-62
36.4444	76.3250	029	122YRKN	W D KRATZ CA-8	24.0	19.0	114.0	12.0	291.0	9.4	87.0	21.0	--	--	--	0.10	0.2	800.0	7.5	--	430.0	5- 1-62
34.7214	76.7106	031	124CSLH	CAROLINA WATER, CT-39-43	86.0	11.0	9.9	6.9	340.0	0.8	8.0	44.0	--	--	0.20	--	0.4	528.0	7.8	18.0	335.0	8-30-60
34.7214	76.7106	031	124CSLH	CAROLINA WATER, CT-39-43	84.0	11.0	9.9	7.0	321.0	1.4	9.5	41.0	--	--	1.30	--	--	513.0	7.2	--	323.0	1- 4-55
34.7819	76.8444	031	124CSLH	PRISON CAMP, CT-14	77.0	2.3	--	--	246.0	1.1	9.1	22.0	--	--	0.50	--	0.3	393.0	7.1	--	240.0	1- 4-50
36.2181	76.7125	041	100CIMI	Z BEST CH-111	45.0	24.0	210.0	25.0	341.0	21.0	334.0	30.0	--	--	--	--	0.4	1500.0	7.9	--	858.0	8- 2-62
36.0647	76.4547	041	110QPLC	D L JETHRO CH-225	13.0	11.0	23.0	1.8	28.0	63.0	24.0	23.0	--	--	3.40	--	0.1	267.0	6.1	--	181.0	6-13-62
36.0894	76.5764	041	110QPLC	W H BOYCE, CH-214	84.0	11.0	17.0	1.5	301.0	1.4	17.0	35.0	--	--	0.20	--	0.2	512.0	7.3	--	321.0	6-13-62
36.1808	76.6947	041	110QPLC	P SMITH CH-129	3.8	1.2	8.9	0.7	4.0	16.0	10.0	16.0	--	--	0.10	--	0.1	83.0	5.4	--	60.0	6-13-62
36.0797	76.5917	041	122MCEC	AUSTIN CO, CH-234	77.0	17.0	39.0	12.0	406.0	5.4	15.0	61.0	--	--	--	0.10	0.5	638.0	7.3	--	428.0	7-21-60
36.0692	76.6078	041	122MCEP*	EDENTON MUN, CH-240	20.0	14.0	168.0	18.0	375.3	31.0	106.0	44.0	--	--	--	0.10	0.8	960.0	8.4	21.5	588.0	6-11-63
36.0708	76.5250	041	122PGRV	C L PARKER, CH-232	26.0	22.0	318.0	21.0	621.8	30.0	235.0	57.0	--	--	1.30	--	--	1770.0	8.5	--	1020.0	7-17-59
36.0708	76.5250	041	122PGRV	C L PARKER, CH-232	23.0	20.0	321.0	21.0	638.0	25.0	230.0	54.0	--	--	1.00	--	0.8	1700.0	8.3	17.5	1000.0	11-18-64
36.2617	76.6533	041	122PGRV	H R PEELE, CH-59	17.0	15.0	508.0	30.0	422.6	29.0	628.0	19.0	--	--	--	--	0.1	2400.0	7.8	19.0	1460.0	7-12-63
36.0167	76.5500	041	122YRKN	US NAVY, CH-371	102.0	13.0	--	--	355.0	2.6	11.0	51.0	--	--	--	--	0.3	--	6.9	--	--	9-19-45
36.0172	76.5478	041	122YRKN	US LUMBER CO, CH-321	32.0	8.7	37.0	3.0	166.0	8.6	34.0	26.0	--	--	0.40	--	0.2	365.0	8.2	15.5	239.0	4-20-64
36.0186	76.5592	041	122YRKN	US LUMBER CO, CH-310	108.0	8.6	13.0	2.0	355.0	2.6	11.0	51.0	--	--	--	--	0.3	55.7	6.9	--	366.0	9-19-45
36.0203	76.5686	041	122YRKN	USGS, CH-303	68.0	85.0	2880.0	79.0	397.3	553.0	4140.0	7.3	--	--	--	--	0.8	13000.0	8.3	--	8010.0	9-14-62
36.0203	76.5686	041	122YRKN	USGS, CH-303	52.0	62.0	2450.0	72.0	450.0	429.0	3360.0	8.2	--	--	--	--	1.1	11000.0	7.9	--	6660.0	9-13-62

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
36.0203	76.5686	041	122YRKN	USGS, CH-303	68.0	64.0	1570.0	48.0	458.0	183.0	2310.0	32.0	--	--	--	--	1.2	--	7.6	--	4500.0	9-14-62
36.0203	76.5686	041	122YRKN	USGS, CH-303	40.0	19.0	84.0	8.6	296.0	11.0	82.0	44.0	--	--	--	--	0.1	750.0	8.0	--	435.0	8- 9-62
36.0294	76.5258	041	122YRKN	A BARROW, CH-297	62.0	29.0	15.0	1.8	346.0	2.0	16.0	51.0	--	--	0.20	--	0.2	532.0	7.3	--	352.0	6-13-62
36.0531	76.4728	041	122YRKN	J C B EHRINGHAUS CH-286	90.0	25.0	--	--	391.0	2.2	14.0	42.0	--	--	--	--	--	619.0	7.4	--	--	8- 1-62
36.0564	76.6289	041	122YRKN	EDENTON MUN, CH-262	48.0	2.2	15.0	1.8	146.0	16.0	19.0	16.0	--	--	0.20	--	0.1	315.0	7.9	--	192.0	4- 2-64
36.0783	76.5208	041	122YRKN	W L BRABBLE, CH-231	65.0	4.8	24.0	3.5	262.0	2.4	23.0	66.0	--	--	--	--	0.3	601.0	7.3	--	321.0	6-13-62
36.1636	76.6256	041	122YRKN	W B WHITE, CH-146	18.0	13.0	129.0	15.0	395.0	16.0	34.0	45.0	--	--	0.50	--	1.1	710.0	7.8	18.5	467.0	7-20-62
36.2267	76.6536	041	122YRKN	CNTR HIL FIRE DEPT CH-77	6.0	8.7	50.0	3.5	--	23.0	101.0	33.0	--	--	--	--	0.1	401.0	4.3	--	252.0	6-13-62
36.0794	76.6644	041	125BFRT	C H SMALL, CH-251	10.0	9.1	211.0	17.0	549.0	16.0	49.0	43.0	--	--	0.30	--	1.3	963.0	7.8	19.5	627.0	7-23-62
36.0933	76.6594	041	125BFRT	NC HYWAY DEPT, CH-207	8.3	9.1	291.0	19.0	525.0	56.0	150.0	30.0	--	--	0.40	--	1.7	1400.0	8.1	--	821.0	8-12-64
36.1817	76.7122	041	125BFRT	W PEELE CH-134	34.0	21.0	60.0	19.0	290.0	3.4	53.0	36.0	--	--	0.60	--	0.5	613.0	7.8	--	371.0	8- 4-65
36.1842	76.7125	041	125BFRT	J R PEELE CH-132	60.0	17.0	37.0	14.0	312.0	4.4	30.0	42.0	--	--	0.10	--	0.4	568.0	7.5	20.0	360.0	7-23-62
36.2250	76.6444	041	125BFRT	H W DALE CH-80	--	22.0	412.0	34.0	372.0	145.0	440.0	27.0	--	--	0.60	--	0.3	2130.0	7.7	20.0	1290.0	7-23-62
36.2278	76.7053	041	125BFRT	ARROW HEAD BEACH CH-108	17.0	11.0	116.0	18.0	370.0	3.2	36.0	31.0	--	--	0.30	--	0.9	712.0	8.1	--	416.0	3-14-65
36.3000	76.6222	041	125BFRT	I BYRUM CH-24	12.0	14.0	810.0	30.0	552.0	32.0	962.0	16.0	--	--	--	0.20	1.6	3790.0	8.5	18.0	2150.0	8-27-63
36.1411	76.6550	041	211BKCK	USGS CH-154	7.6	6.4	183.0	17.0	452.0	51.0	18.0	46.0	--	--	0.30	--	1.5	871.0	7.8	--	553.0	7-15-64
36.1411	76.6550	041	211BKCK	USGS CH-154	3.6	3.6	272.0	22.0	505.0	44.0	100.0	23.0	--	--	0.60	0.60	1.1	1260.0	7.9	--	719.0	7-11-64
36.1411	76.6550	041	211BKCK	USGS CH-154	11.0	8.5	434.0	30.0	349.0	55.0	494.0	8.8	--	--	0.10	--	1.1	2280.0	7.6	--	1210.0	7- 2-64
36.1411	76.6550	041	211BKCK	USGS CH-154	9.8	6.4	336.0	24.0	358.0	60.0	300.0	10.0	--	--	0.40	1.10	1.1	1670.0	7.7	--	925.0	7- 9-64
36.1908	76.6594	041	211BKCK	C BYRUM CH-98	5.0	7.4	337.0	21.0	384.0	41.0	301.0	9.6	80.0	--	1.80	0.20	0.9	1590.0	7.7	21.0	914.0	7-20-62
36.2086	76.7139	041	211BKCK	UTD P AND D WKS CH-113	16.0	0.1	222.0	26.0	416.0	30.0	161.0	16.0	--	--	0.20	--	0.3	1220.0	7.8	18.0	689.0	10-21-64
36.2122	76.6567	041	211BKCK	F A WHITE CH-100	4.5	2.6	288.0	17.0	372.0	28.0	235.0	10.0	--	--	0.80	--	0.8	1340.0	7.8	20.0	772.0	7-17-62
36.2256	76.6569	041	211BKCK	J B HOLLOWELL CH-76	3.4	2.4	288.0	20.0	364.0	26.0	247.0	40.0	990.0	--	--	--	1.5	1380.0	7.8	--	808.0	1- 2-64
36.2367	76.6564	041	211BKCK	CHOWAN CO, CH-70	10.0	4.6	325.0	21.0	423.0	23.0	295.0	11.0	--	--	0.10	--	1.3	1600.0	8.0	--	879.0	8-18-65
36.2367	76.6564	041	211BKCK	CHOWAN CO, CH-70	10.0	4.6	325.0	21.0	423.0	23.0	295.0	11.0	--	--	0.10	--	1.3	1600.0	8.0	--	879.0	9-27-55
36.2586	76.6542	041	211BKCK	E H ELLIOT CH-60	5.0	4.7	515.0	17.0	417.0	36.0	530.0	9.2	--	--	--	--	1.6	2050.0	8.1	23.0	1350.0	7-12-63
36.2697	76.6542	041	211BKCK	J R HENDRIX CH-44	6.0	4.1	562.0	21.0	496.0	39.0	550.0	10.0	--	--	--	0.10	1.8	2600.0	7.6	--	1440.0	12-31-63
36.2825	76.6528	041	211BKCK	E M WARD CH-39	19.0	9.8	469.0	17.0	490.0	47.0	434.0	29.0	--	--	0.10	0.10	1.1	2110.0	8.5	20.0	1273.0	8-27-63
36.3042	76.6308	041	211BKCK	L E TWINE CH-21	6.3	6.5	718.0	21.0	724.0	97.0	642.0	10.0	--	--	--	0.10	1.8	3100.0	8.0	19.5	1860.0	8-27-63
36.3131	76.6250	041	211BKCK	C A PERRY CH-22	3.2	6.5	615.0	19.0	730.0	88.0	530.0	10.0	--	--	--	--	1.9	2810.0	8.1	19.0	1630.0	8-27-63
36.3183	76.6153	041	211CRCS2	USGS NC-31	14.0	9.6	1095.0	26.0	684.9	158.0	1200.0	7.7	--	--	--	--	0.6	4900.0	8.5	--	2850.0	10- 1-62
36.3183	76.6153	041	211CRCS3	USGS NC-31	6.1	3.9	618.0	18.0	703.0	126.0	500.0	7.8	--	--	--	--	1.7	2680.0	8.2	18.0	1630.0	10- 2-62
36.3183	76.6153	041	211CRCS4	USGS NC-31	9.6	8.1	820.0	26.0	641.6	104.0	835.0	9.8	10.0	--	--	--	3.0	3670.0	8.5	19.0	2130.0	10- 3-62
36.3183	76.6153	041	211CRCS8	USGS NC-31	31.0	26.0	870.0	38.0	722.0	34.0	1000.0	25.0	--	--	--	--	1.2	4130.0	7.7	19.5	2380.0	10- 5-62
34.1556	78.8808	047	211CRCS3	TABOR CITY MUN, CO-25	1.2	1.0	138.0	4.2	342.2	0.8	23.0	14.0	--	--	0.30	0.50	0.9	590.0	8.6	20.0	345.0	5-26-58
34.1556	78.8808	047	211CRCS3	TABOR CITY MUN, CO-25	1.9	0.4	125.0	5.1	322.0	2.4	16.0	14.0	--	--	0.20	0.30	0.9	540.0	8.2	19.5	324.0	10- 1-64
34.2861	78.7050	047	211CRCS4	VINSON AND GASKEN, CO-34	31.0	13.0	17.0	7.4	196.0	4.3	5.5	32.0	--	--	--	--	--	326.0	7.7	--	207.0	3-29-55
34.2861	78.7050	047	211CRCS4	VINSON AND GASKEN, CO-34	31.0	13.0	16.0	6.9	197.0	4.2	5.7	35.0	--	--	0.50	--	0.1	311.0	7.9	--	209.0	10-21-64
34.3119	79.0281	047	211CRCS4	FAIR BLUFF MUN, CO-64	1.6	0.5	44.0	4.0	96.0	2.9	11.0	43.0	--	--	--	--	0.6	196.0	7.1	--	155.0	4- 7-55
34.3306	78.6967	047	211CRCS4	WHITEVILLE MUN, CO-57	29.0	12.0	33.0	11.0	232.0	3.6	8.9	34.0	--	--	--	--	--	378.0	7.7	19.0	246.0	5-22-62
34.3333	78.7078	047	211CRCS4	WHITEVILLE MUN, CO-55	27.0	13.0	24.0	7.3	203.0	1.9	6.5	34.0	--	--	0.60	--	--	334.0	7.8	--	214.0	5- 4-55
35.1411	78.8731	047	211CRCS4	TABOR CITY MUN, CO-27	5.5	0.5	106.0	7.9	287.0	0.8	12.0	19.0	--	--	0.10	0.10	0.6	485.0	7.8	19.5	294.0	10- 1-64
35.1411	78.8731	047	211CRCS4	TABOR CITY MUN, CO-27	6.5	0.7	102.0	7.6	281.1	1.8	13.0	21.0	--	--	0.50	0.20	0.6	478.0	8.4	19.0	292.0	5-26-58
34.0556	78.5792	047	211CRCS5	P GORE, CO-14	6.4	4.4	528.0	15.0	604.0	32.0	486.0	12.0	--	--	--	--	2.3	1240.0	8.2	--	1400.0	5- 4-60
35.1072	78.6567	047	211CRCS5	NAKINA SCHOOL, CO-10	1.0	0.2	145.0	5.9	383.8	3.4	8.0	12.0	--	--	1.60	--	2.5	608.0	8.7	--	370.0	1-12-56
34.3181	78.2364	047	211CRCSW	R KENNEDY, CO-39	8.6	4.7	290.0	15.0	477.0	10.0	210.0	6.3	--	--	1.40	--	1.2	--	8.0	--	782.0	8-25-54
34.3219	78.4056	047	211CRCSW	J WILSON, CO-45	5.6	2.8	44.0	6.1	155.0	0.3	2.5	8.9	--	--	0.10	--	1.1	244.0	8.3	--	148.0	1-12-56
34.1639	78.5953	047	211PEED	OLD DOCK SCH, CO-21	3.8	1.9	106.0	5.5	300.0	2.0	4.0	12.0	--	--	1.00	--	1.5	497.0	8.3	--	286.0	1-12-56
34.2925	78.5500	047	211PEED	BLUE STAR CAMP, CO-49	6.0	10.0	34.0	9.5	168.0	0.7	2.0	14.0	--	--	0.20	--	0.1	252.0	7.7	--	160.0	5- 4-60
35.3447	77.1475	049	122MCEP	G C LANCASTER, CR-73A	32.0	2.2	--	9.1	119.0	3.0	5.8	--	--	--	0.20	--	--	212.0	6.7	--	140.0	5-24-55
35.1422	77.1736	049	122YRKN	USGS, CR-221	61.0	6.3	4.8	7.0	225.0	0.2	7.2	34.0	--	--	--	--	0.1	339.0	7.9	--	232.0	2-27-63
35.1422	77.1736	049	122YRKN	USGS, CR-221	22.0	32.0	1140.0	50.0	994.0	256.0	1100.0	5.6	--	--	--	--	1.3	5170.0	7.9	--	3100.0	3-13-63
35.2108	77.1567	049	122YRKN	USGS, CR-136	46.0	27.0	42.0	13.0	352.0	3.4	25.0	26.0	--	--	0.10	--	0.3	568.0	7.5	--	356.0	1-24-64
34.8833	76.9028	049	123OLGC	USMC, CR-378	73.0	4.9	18.0	4.5	292.0	2.0	6.5	33.0	--	--	0.30	--	0.1	468.0	7.7	19.5	285.0	5-27-59
34.8856	76.9008	049	123OLGC	USMC, CR-379	85.0	2.3	--	--	275.0	1.0	8.5	31.0	--	--	--	--	0.3	447.0	7.1	--	272.0	1- 5-53
34.8856	76.9008	049	123OLGC	USMC, CR-379	77.0	4.0	18.0	4.6	294.0	0.2	6.0	35.0	--	--	0.20	--	0.1	472.0	7.7	19.0	291.0	5-27-59
34.9008	76.8894	049	123OLGC	USMC, CR-390	56.0	9.0	44.0	7.2	329.0	0.5	12.0	37.0	--	--	0.40	0.10	0.1	538.0	7.9	19.5	330.0	5-27-59
34.9031	76.8933	049	123OLGC	USMC, CR-391	73.0	6.6	6.2	2.0	263.0	1.0	5.5	34.0	--	--	0.30	0.10	0.2	425.0	7.7	19.0	259.0	5-27-59
34.9067	76.8742	049	123OLGC	USMC, CR-396	77.0	5.4	9.2	4.8	281.0	2.9	7.0	35.0	--	--	0.30	0.10	0.2	453.0	7.6	19.0	281.0	5-27-59
35.9072	76.8869	049	123OLGC	USMC, CR-393	72.0	7.2	8.6	5.4	271.0	0.2	6.0	35.0	--	--	0.50	0.10	0.2	443.0	7.4	19.5	269.0	5-27-59

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Lat- itude	Lon- gitude	Coun- ty	Geo- logic unit code	Local well identifier	Cal- cium	Mag- ne- sium	So- dium	Po- tas- sium	Bi- car- bo- nate	Sul- fate	Chlo- ride	Sil- ica	Iron	Alumi- num	Ni- trate	Phos- phate	Fluor- ide	Specific conduct- ance	pH	Tem- per- ature	Dis- solved solids	Col- lec- tion date
34.8972	76.8808	049	124CSLH	USMC, CR-394	80.0	6.2	22.0	3.0	315.0	0.2	16.0	32.0	--	--	0.30	0.10	0.2	540.0	7.6	20.0	316.0	5-27-59
34.9033	76.9089	049	124CSLH	USMC, CR-380	74.0	5.8	18.0	4.6	292.0	0.5	7.0	34.0	--	--	0.30	--	0.2	467.0	7.4	19.0	289.0	5-27-59
34.9075	76.9097	049	124CSLH	USMC, CR-381	78.0	7.7	8.2	3.7	287.0	0.9	7.0	32.0	--	--	0.20	0.10	0.1	458.0	7.9	19.0	279.0	5-27-59
34.9075	76.9097	049	124CSLH	USMC, CR-381	83.0	3.4	8.8	4.2	288.0	0.7	8.0	30.0	--	--	0.20	--	0.3	282.0	7.3	19.0	281.0	2-22-56
34.9117	76.8794	049	124CSLH	USMC, CR-397	70.0	8.1	11.0	5.2	282.0	0.2	5.5	36.0	--	--	0.20	0.10	0.2	448.0	7.7	19.0	276.0	5-27-59
35.0956	77.1522	049	124CSLH	USGS, CR-258	62.0	4.1	5.5	1.1	203.0	8.4	5.6	12.0	--	--	0.30	--	0.2	309.0[1]	7.4	--	200.0	6-19-63
35.1286	77.0922	049	124CSLH	NEW BERN MUN, CR-480	68.0	1.8	--	--	202.0	13.0	7.8	13.0	--	--	--	--	--	--	7.3	--	--	11-19-52
35.1286	77.0922	049	124CSLH	NEW BERN MUN, CR-480	74.0	1.9	6.0	0.4	209.0	27.0	4.5	14.0	--	--	0.20	0.20	0.1	418.0	7.4	--	232.0	2- 5-58
35.1308	77.0861	049	124CSLH	NEW BERN MUN, CR-485	84.0	3.0	9.3	0.4	239.0	27.0	9.0	27.0	--	--	0.20	0.10	0.1	474.0	7.3	--	280.0	2- 5-58
35.1308	77.0861	049	124CSLH	NEW BERN MUN, CR-485	73.0	2.2	--	--	231.0	4.0	6.5	23.0	--	--	--	--	0.1	--	-	15.5	--	1- 9-48
35.1308	77.0861	049	124CSLH	NEW BERN MUN, CR-485	82.0	2.8	--	--	267.0	2.5	8.0	32.0	--	--	--	--	0.1	--	7.0	--	--	11-19-52
35.1319	77.0944	049	124CSLH	NEW BERN MUN, CR-479	82.0	1.8	--	--	249.0	7.7	7.5	17.0	--	--	--	--	0.1	--	7.3	--	--	11-19-52
35.1328	77.0806	049	124CSLH	NEW BERN MUN, CR-484	67.0	1.7	--	--	187.0	18.0	10.0	17.0	--	--	--	--	--	--	7.2	--	--	11-19-52
35.1347	77.0989	049	124CSLH	NEW BERN MUN, CR-478	84.0	2.2	--	--	260.0	5.3	8.2	17.0	--	--	--	--	0.1	--	7.2	--	--	11-19-52
35.2528	77.2764	049	124CSLH	BLACK CHURCH, CR-470	65.0	2.8	--	--	209.0	0.5	4.2	20.0	--	--	0.10	--	0.1	--	7.2	--	202.0	9- 4-52
35.1383	77.1083	049	211BKCK	USGS, CR-175	76.0	10.0	35.0	11.0	269.0	29.0	44.0	26.0	--	--	0.20	--	0.3	590.0	7.5	19.0	365.0	8-30-62
35.1383	77.1083	049	211BKCK	USGS, CR-175	67.0	18.0	13.0	4.5	291.0	8.6	14.0	39.0	--	--	--	0.10	--	493.0	7.6	--	307.0	9- 2-62
35.1383	77.1083	049	211BKCK	USGS, CR-175	86.0	11.0	21.0	12.0	339.0	5.2	18.0	34.0	--	--	0.30	--	0.2	570.0	7.4	19.5	355.0	8-31-62
35.1383	77.1083	049	211BKCK	USGS, CR-175	15.0	11.0	1330.0	42.0	731.1	--	1600.0	--	--	--	--	--	--	5970.0	8.3	--	--	8-13-62
35.1511	77.2183	049	211BKCK	INTER PAPER CO NC-48	11.0	8.6	390.0	20.0	428.7	70.0	374.0	7.7	--	--	0.20	0.10	2.4	1900.0	8.6	--	1100.0	10- 8-62
35.1511	77.2183	049	211BKCK	INTER PAPER CO NC-48	71.0	14.0	73.0	11.0	356.0	12.0	68.0	26.0	--	--	0.10	0.10	0.6	763.0	7.6	19.5	452.0	10-10-62
35.1511	77.2183	049	211BKCK	INTER PAPER CO NC-48	19.0	18.0	398.0	20.0	524.0	62.0	347.0	8.0	--	--	--	--	2.4	2000.0	8.1	--	1130.0	10-10-62
35.1511	77.2183	049	211BKCK	INTER PAPER CO NC-48	8.0	8.8	645.0	28.0	654.3	109.0	566.0	8.7	--	--	0.30	--	3.2	2920.0	8.3	19.5	1700.0	10- 6-62
35.1511	77.2183	049	211BKCK	INTER PAPER CO NC-48	3.7	1.0	445.0	14.0	900.3	7.4	145.0	9.0	--	--	0.50	0.30	7.0	1630.0	8.6	19.5	1058.0	10- 2-62
35.1511	77.2183	049	211BKCK	INTER PAPER CO NC-48	57.0	4.9	15.0	3.5	211.0	4.6	8.4	19.0	--	--	--	0.10	0.2	763.0	7.6	18.5	217.0	10-10-62
35.1758	77.2506	049	211BKCK	USGS, CR-266	62.0	41.0	45.0	14.0	478.0	14.0	20.0	29.0	--	--	0.20	--	0.3	785.0	7.5	--	461.0	2-10-64
35.1758	77.2506	049	211BKCK	USGS, CR-266	11.0	11.0	498.0	20.0	641.0	157.0	319.0	8.8	--	--	--	--	2.6	2300.0	8.2	--	1340.0	2- 7-64
35.2194	77.4400	049	211BKCK	DOVER HIGH SCH, CR-286	103.0	6.4	--	--	349.0	4.0	3.2	28.0	--	--	0.30	--	0.2	537.0	7.1	--	335.0	2- 5-53
35.1772	77.2978	049	211CRCS*	NEW BERN MUN, CR-431	1.0	0.2	106.0	5.2	260.3	4.4	12.0	11.0	--	--	0.20	1.00	0.5	411.0	8.5	18.0	270.0	6-21-68
35.1772	77.2978	049	211CRCS4	NEW BERN MUN, CR-431	2.7	0.4	138.0	7.0	301.2	6.8	42.0	11.0	--	--	0.40	1.10	0.9	664.0	8.4	--	359.0	9-25-64
35.1772	77.2978	049	211CRCS4	NEW BERN MUN, CR-431	2.2	0.2	118.0	5.8	291.4	3.2	10.0	11.0	--	--	0.70	0.90	0.7	448.0	8.7	21.0	297.0	3-26-65
35.1772	77.2978	049	211CRCS5	NEW BERN MUN, CR-431	2.4	0.6	100.0	5.0	253.3	3.4	13.0	11.0	--	--	0.20	1.00	0.5	370.0	8.8	20.5	262.0	10- 1-64
35.1772	77.2978	049	211CRCS5	NEW BERN MUN, CR-431	2.6	0.8	200.0	10.0	546.1	4.6	7.6	9.3	--	--	0.30	0.90	1.8	700.0	8.8	20.5	507.0	10- 1-64
35.1772	77.2978	049	211CRCS6	NEW BERN MUN, CR-431	2.6	0.5	188.0	10.0	501.7	1.2	8.2	10.0	--	--	0.30	1.10	1.3	646.0	8.7	--	470.0	10- 9-64
35.1772	77.2978	049	211CRCS7	NEW BERN MUN, CR-431	23.0	5.5	120.0	9.1	403.0	4.0	14.0	12.0	--	--	0.20	0.40	0.5	845.0	8.1	--	387.0	10- 9-64
35.0956	77.1522	049	211PEED	USGS, CR-258	10.0	12.0	574.0	20.0	768.0	114.0	510.0	9.5	--	--	0.20	--	1.8	2610.0	7.9	--	1630.0	6-19-63
35.0956	77.1522	049	211PEED	USGS, CR-258	13.0	9.8	516.0	17.0	755.3	109.0	380.0	9.7	--	--	0.40	--	1.7	2320.0	8.3	--	1430.0	6-19-63
35.3847	77.0117	049	211TSCL4	W L ELKS NR WILMAR NC-16	2.6	1.0	212.0	8.2	427.4	18.0	67.0	11.0	--	--	0.10	3.10	4.4	902.0	8.4	--	530.0	10-13-62
35.3847	77.0117	049	211TSCL4	W L ELKS NR WILMAR NC-16	3.0	1.0	216.0	8.1	537.8	4.0	12.0	9.4	--	--	0.30	1.00	3.1	853.0	8.6	--	525.0	10-16-62
35.3847	77.0117	049	211TSCL5	W L ELKS NR WILMAR NC-16	3.7	1.2	270.0	12.0	642.6	15.0	44.0	11.0	--	--	0.10	0.20	5.3	1110.0	8.9	--	679.0	10-19-62
35.1633	78.9697	051	211CRCS4	SPRING LAKE MUN, CU-14	0.4	0.2	2.4	0.2	4.0	--	2.0	4.4	--	--	4.30	--	--	--	5.2	16.5	16.0	5-31-56
35.0292	79.0394	051	211TSCL3	WILDLIFE COMM, CU-41	9.6	3.4	27.0	2.6	110.0	12.0	1.0	31.0	--	--	0.40	--	0.3	208.0	7.0	--	141.0	2-12-59
35.1953	78.6561	051	211TSCL3	PENTECOSTAL CHURCH, CU-7	14.0	11.0	80.0	11.0	229.0	21.0	48.0	17.0	--	--	0.30	--	0.2	546.0	7.3	--	315.0	8- 8-55
36.0167	76.1744	053	110QPLC	J J FLORA, CK-7	226.0	14.0	38.0	1.2	293.0	338.0	82.0	20.0	--	--	0.20	--	0.2	1260.0	7.5	11.5	864.0	11-20-61
36.0778	75.7958	053	110QPLC	NC ST HY DEPT, CK-118	43.0	2.4	17.0	3.2	108.0	15.0	32.0	4.1	--	--	1.80	--	0.1	341.0	7.1	--	172.0	3-28-62
36.1236	75.8375	053	110QPLC	C SAWYER, CK-108	26.0	5.7	6.4	9.2	5.0	70.0	13.0	4.2	--	--	18.00	--	0.7	257.0	5.4	15.5	156.0	5-21-62
36.2764	75.8944	053	110QPLC	M DOWDY, CK-89	12.0	2.2	5.6	1.5	10.0	25.0	9.5	4.2	--	--	2.60	--	--	127.0	6.1	--	68.0	5-15-62
36.3889	76.0153	053	110QPLC	L NEWBERN, CK-58	1.4	1.2	4.8	0.6	4.0	8.2	4.5	8.7	--	--	1.00	--	0.1	65.0	5.3	15.5	32.0	4-18-62
36.4917	76.1347	053	110QPLC	UNKNOWN, CK-10	131.0	15.0	37.0	6.8	466.0	0.2	54.0	45.0	--	--	--	--	0.3	842.0	6.9	--	519.0	6-22-62
36.0817	75.7911	053	122YRKN	USGS, CK-117	40.0	5.0	26.0	5.5	111.0	33.0	30.0	--	--	--	2.50	--	--	335.0	7.6	16.5	--	3-12-62
36.0972	75.0556	053	122YRKN	I GALLOP, CK-115	25.0	6.8	28.0	5.1	150.0	0.2	24.0	26.0	--	--	--	0.40	0.2	318.0	7.6	--	190.0	8- 3-61
36.1208	75.8222	053	122YRKN	J G WALKER, CK-110	62.0	15.0	35.0	6.2	242.0	0.8	67.0	27.0	--	--	--	--	0.1	590.0	7.6	--	332.0	5-19-60
36.1597	75.8597	053	122YRKN	J T KILLINGSWORTH CK-106	55.0	3.6	12.0	1.2	185.0	0.2	20.0	13.0	--	--	--	--	--	355.0	7.0	--	196.0	6-24-62
36.1972	75.8917	053	122YRKN	R E BUNCH, CK-102	47.0	11.0	45.0	6.2	197.0	0.2	74.0	28.0	--	--	--	0.20	0.1	560.0	7.4	--	309.0	6- 1-62
36.2006	75.8611	053	122YRKN	C FORBES, CK-99	69.0	6.4	16.0	1.1	228.0	0.2	24.0	17.0	--	--	--	--	--	425.0	7.3	13.5	246.0	3-28-62
36.2722	75.9000	053	122YRKN	B SAUNDERS, CK-91	39.0	7.2	14.0	0.6	141.0	0.8	21.0	25.0	--	--	--	--	0.1	305.0	6.9	--	177.0	6- 1-62
36.3417	75.9556	053	122YRKN	W GUARD, CK-67	74.0	34.0	156.0	23.0	452.0	0.8	240.0	44.0	--	--	--	--	0.1	1400.0	7.0	--	797.0	7-13-60
36.4003	76.0972	053	122YRKN	NORF AND SOUTH RR, CK-50	72.0	6.4	12.0	7.3	190.0	53.0	18.0	4.3	--	--	--	--	--	462.0	7.1	--	267.0	6- 1-62
36.4181	75.9639	053	122YRKN	G E WORTMAN, CK-44	144.0	40.0	396.0	30.0	287.0	11.0	818.0	41.0	--	--	--	0.70	--	3100.0	7.4	--	1620.0	6- 1-62
36.4222	76.0681	053	122YRKN	W M SMITHSON, CK-49	54.0	13.0	18.0	9.5	261.0	0.4	12.0	32.0	--	--	--	--	0.2	435.0	7.3	--	268.0	6- 1-62

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
36.4500	76.0869	053	122YRKN	B PERRY, CK-12	72.0	18.0	38.0	14.0	392.0	0.2	20.0	45.0	--	--	--	--	0.2	645.0	7.2	--	401.0	6-20-62
36.4625	76.0222	053	122YRKN	C L HALL, CK-21	23.0	5.2	55.0	6.0	198.0	0.2	37.0	21.0	--	--	--	.50	0.1	432.0	7.3	--	248.0	8-29-62
36.4986	76.0403	053	122YRKN	J TICE, CK-20	31.0	6.4	19.0	2.4	145.0	0.6	17.0	46.0	--	--	--	--	0.2	295.0	7.0	--	194.0	3- 1-62
36.5153	76.1736	053	122YRKN	J J FLORA, CK-8	38.0	29.0	192.0	23.0	326.0	15.0	269.0	22.0	--	--	--	--	0.2	1400.0	7.7	22.0	749.0	7-21-61
35.7000	75.7792	055	110QPLC	BAYVIEW GRILL, DA-498	19.0	42.0	121.0	28.0	548.2	2.0	44.0	32.0	--	--	0.60	0.70	0.4	913.0	8.3	--	560.0	12- 4-61
35.8917	75.7750	055	110QPLC	H MANN, DA-484	56.0	2.8	28.0	1.7	227.0	1.6	21.0	20.0	--	--	--	0.10	--	400.0	8.1	--	243.0	11- 8-62
35.8917	75.9750	055	110QPLC	J J GARLENO, DA-489	79.0	18.0	335.0	18.0	376.2	37.0	490.0	29.0	--	--	--	--	0.2	2110.0	8.3	--	1190.0	9- 1-62
35.2208	75.6928	055	111RCNTS	BLUE MARLIN CAPE, DA-216	144.0	91.0	375.0	35.0	311.0	0.4	962.0	34.0	--	--	1.00	--	0.2	3320.0	7.2	--	1800.0	8-25-55
35.2400	75.5950	055	111RCNTS	FRISCO 4, DA-199	47.0	4.4	7.8	1.1	156.0	3.2	15.0	13.0	--	--	--	--	0.3	280.0	7.5	--	170.0	8- 1-72
35.2419	75.5861	055	111RCNTS	NPS FRISCO, DA-211	50.0	5.2	6.6	1.4	172.0	3.8	10.0	13.0	--	--	0.70	--	0.2	290.0	-	20.0	176.0	9- 8-61
35.2425	75.5431	055	111RCNTS	CAPE POINT, DA-164	75.0	4.3	12.0	0.9	239.0	7.8	18.0	6.7	--	--	0.30	0.10	0.1	440.0	7.5	--	245.0	9-29-64
35.2469	75.5553	055	111RCNTS	CAPE POINT, DA-161	93.0	7.9	19.0	2.1	319.0	3.8	30.0	8.7	--	--	0.50	0.10	0.2	590.0	7.4	--	326.0	9-29-64
35.2472	75.5381	055	111RCNTS	CAPE POINT, DA-163	65.0	4.9	12.0	1.4	218.0	4.2	19.0	8.6	--	--	0.40	0.20	0.2	405.0	7.5	--	225.0	9-29-64
35.2497	75.5486	055	111RCNTS	CAPE POINT, DA-162	75.0	4.1	12.0	0.7	242.0	4.2	20.0	7.9	--	--	0.20	0.10	0.1	445.0	7.6	--	246.0	9-29-64
35.2500	75.5394	055	111RCNTS	BUXTON STATION 2, DA-452	45.0	19.0	18.0	7.1	250.0	1.0	23.0	16.0	--	--	--	--	0.6	424.0	7.8	18.0	253.0	8-18-71
35.2500	75.5394	055	111RCNTS	BUXTON MAINT AREA NO 1 N	329.0	519.0	5000.0	275.0	244.0	360.0	9860.0	20.0	--	--	--	--	0.6	26800.0	7.5	20.0	16500.0	8-18-71
35.2500	75.5394	055	111RCNTS	BUXTON MAINT AREA NO 1 N	322.0	517.0	5050.0	275.0	246.0	40.0	9840.0	18.0	--	--	--	--	0.6	26700.0	7.4	20.0	16500.0	8-18-71
35.2500	75.5394	055	111RCNTS	BUXTON MAINT AREA NO 1 N	495.0	264.0	1720.0	84.0	177.0	160.0	4160.0	27.0	--	--	--	--	0.3	12200.0	7.6	21.0	7940.0	8-12-71
35.2500	75.5394	055	111RCNTS	BUXTON MAINT AREA NO 1 N	351.0	517.0	5000.0	270.0	246.0	42.0	9810.0	19.0	--	--	--	--	0.6	26600.0	7.6	20.0	16100.0	8-18-71
35.2500	75.5397	055	111RCNTS	BUXTON MAINT AREA NO 2 N	13.0	14.0	740.0	46.0	720.5	104.0	768.0	29.0	--	--	0.10	--	1.3	3490.0	8.3	20.0	2200.0	8-18-71
35.7711	75.5258	055	111RCNTS	NPS, PEA IS, DA-119	8.0	4.2	110.0	15.0	193.0	4.0	92.0	25.0	--	--	0.30	1.00	0.9	592.0	8.1	13.5	355.0	1-19-66
35.7711	75.5258	055	111RCNTS	NPS, PEA IS, DA-119	34.0	5.3	23.0	1.3	123.0	1.8	40.0	16.0	--	--	0.20	0.60	0.2	319.0	7.8	--	182.0	1-18-66
35.7711	75.5258	055	111RCNTS	NPS, PEA IS, DA-119	38.0	6.6	31.0	2.2	131.0	3.6	55.0	19.0	--	--	0.30	0.64	0.3	384.0	8.0	--	221.0	1-20-66
35.8361	75.5736	055	111RCNTS	NPS BODIE IS, DA-96	18.0	16.0	29.0	11.0	150.0	3.4	38.0	24.0	--	--	--	--	0.6	340.0	7.6	--	219.0	7-31-72
35.8361	75.5747	055	111RCNTS	BODIE IS TEST 1, DA-79	31.0	25.0	12.0	9.8	126.0	2.2	75.0	26.0	--	--	0.20	1.70	0.7	472.0	7.4	18.0	246.0	3-28-58
35.8983	75.6169	055	111RCNTS	OASIS CAFE, DA-53	21.0	4.8	190.0	14.0	410.0	1.4	132.0	27.0	--	--	2.10	--	0.1	1040.0	7.5	24.0	597.0	8-25-55
35.9342	75.7142	055	111RCNTS	NPS FT RALEIGH, DA-59	48.0	2.4	20.0	1.1	146.0	7.2	34.0	7.6	--	--	0.40	--	0.1	340.0	8.1	--	193.0	3- 9-65
35.9375	75.7072	055	111RCNTS	NPS FT RAL PUMP, DA-22	37.0	3.5	17.0	0.7	108.0	15.0	25.0	7.1	--	--	0.60	--	--	267.0	7.4	--	161.0	8- 8-63
35.9783	75.6483	055	111RCNTS	DARE BEACH DIST, DA-321	35.0	2.9	8.8	0.9	118.0	2.0	18.0	18.0	--	--	1.10	0.70	0.1	235.0	7.0	18.0	148.0	1-15-59
35.9783	75.6483	055	111RCNTS	DARE BEACH DIST, DA-321	10.0	6.6	23.0	2.1	42.0	1.6	51.0	15.0	--	--	2.60	0.20	--	240.0	5.9	18.0	137.0	1-12-59
36.0117	75.6667	055	111RCNTS	NPS WRIGHT MEM, DA-45	30.0	4.4	8.5	2.2	112.0	0.9	14.0	20.0	--	--	0.20	0.60	0.2	230.0	7.5	--	136.0	12-21-59
36.0122	75.6656	055	111RCNTS	NPS WRIGHT MEM, DA-46	38.0	11.0	17.0	2.6	163.0	0.4	31.0	17.0	--	--	0.40	0.20	0.1	350.0	7.4	--	198.0	12-21-59
36.0211	75.6667	055	111RCNTS	NPS WRIGHT MEM, DA-44	49.0	8.4	27.0	1.9	208.0	1.9	32.0	15.0	--	--	0.10	0.20	0.2	332.0	8.1	--	238.0	3-20-60
35.8417	75.6208	055	122YRKN	E WRIGHT, DA-467	33.0	9.6	84.0	15.0	298.1	--	44.0	24.0	--	--	2.60	0.40	--	588.0	8.3	--	363.0	1- 2-62
34.8264	77.8181	061	124CSLH	G F LANDEN, DU-64	59.0	2.1	--	--	160.0	12.0	13.0	11.0	--	--	0.10	--	--	303.0	7.4	--	179.0	4-22-53
34.7417	77.9808	061	211BKCK	WALLACE MUN, DU-85	27.0	6.0	26.0	8.7	185.0	0.4	4.0	16.0	--	--	1.00	0.20	0.3	296.0	7.4	--	181.0	5-27-58
34.8022	78.0369	061	211BKCK	LAKE TUT, DU-67	66.0	2.0	--	--	213.0	0.8	3.1	19.0	--	--	--	--	--	338.0	7.4	18.0	--	6-25-52
35.0589	77.8300	061	211BKCK	GRADDY SCHOOL, DU-21	30.0	3.3	--	--	110.0	5.1	2.8	17.0	--	--	--	--	--	201.0	7.7	18.0	--	6- 2-53
35.1214	78.1364	061	211BKCK	FAISON MUN, DU-9	13.0	1.6	4.0	1.7	55.0	0.8	4.3	17.0	--	--	0.30	--	0.3	103.0	7.0	15.5	70.0	3-29-66
35.1214	78.1364	061	211BKCK	FAISON MUN, DU-9	15.0	1.5	5.7	2.1	59.0	5.4	4.0	28.0	--	--	0.20	0.50	0.2	118.0	7.6	--	92.0	5-23-62
35.1214	78.1364	061	211BKCK	FAISON MUN, DU-9	6.0	0.6	6.8	2.2	12.0	6.4	9.2	14.0	--	--	3.90	--	--	83.1	6.0	19.5	58.0	4-15-58
35.1214	78.1364	061	211BKCK	FAISON MUN, DU-10	17.0	1.4	3.4	1.4	54.0	5.2	3.9	24.0	--	--	0.20	--	0.4	113.0	6.9	17.0	84.0	3-29-66
35.1214	78.1364	061	211BKCK	FAISON MUN, DU-10	16.0	1.8	4.4	1.9	62.0	--	4.3	33.0	--	--	0.40	--	0.2	128.0	7.0	19.0	96.0	4-15-58
35.1214	78.1364	061	211BKCK	FAISON MUN, DU-10	12.0	1.5	5.5	2.1	49.0	5.2	3.7	31.0	--	--	0.10	0.60	0.2	102.0	7.0	--	86.0	5-23-62
35.1622	78.1042	061	211BKCK	CALYPSO MUN, DU-2	8.1	1.5	6.2	1.8	40.0	3.8	3.2	38.0	--	--	0.10	--	0.4	--	6.5	--	83.0	6- 3-55
35.1622	78.1042	061	211BKCK	CALYPSO MUN, DU-2	5.9	2.2	6.8	1.6	31.0	4.8	7.1	30.0	--	--	0.10	--	0.6	90.0	6.3	--	74.0	3-29-66
35.1622	78.1042	061	211BKCK	CALYPSO MUN, DU-2	3.3	0.9	2.8	2.0	8.0	4.4	7.5	15.0	--	--	0.10	0.20	0.2	52.0	5.9	17.0	41.0	5-23-62
34.7278	77.9972	061	211PEED	WALLACE MUN, DU-86	38.0	6.5	19.0	7.3	197.0	0.0	4.2	18.0	--	--	0.50	0.20	0.2	298.0	7.6	19.0	192.0	5-2[illegible]-58
34.7417	77.9883	061	211PEED	S C CARR, DU-84	74.0	8.0	7.6	2.9	288.0	0.4	4.0	25.0	--	--	0.10	--	--	441.0	7.3	16.5	264.0	4-14-55
34.7478	77.9950	061	211PEED	WALLACE MUN, DU-82	62.0	4.8	--	--	211.0	1.4	5.0	22.0	--	--	0.30	--	0.2	--	7.7	18.5	--	5-15-47
34.8272	78.0350	061	211PEED	ROSE HILL MUN, DU-56	58.0	1.6	4.0	1.2	185.0	1.1	4.4	19.0	--	--	0.20	0.70	0.1	297.0	7.4	18.5	182.0	5-27-58
34.8272	78.0350	061	211PEED	ROSE HILL MUN, DU-56	52.0	2.8	3.8	1.2	175.0	0.4	2.8	16.0	--	--	--	0.70	0.1	295.0	7.9	18.5	166.0	10-23-64
34.8344	78.0289	061	211PEED	ROSE HILL MUN, DU-57	52.0	1.5	2.4	--	164.0	0.5	4.2	18.0	--	--	0.10	--	0.1	--	7.7	20.5	160.0	5-15-47
34.8350	77.9861	061	211PEED	E G MURRAY, DU-58	52.0	1.5	2.4	--	164.0	0.5	4.2	18.0	--	--	0.10	--	0.1	--	7.7	20.5	160.0	5-15-47
34.9064	78.0492	061	211PEED	MAGNOLIA MUN, DU-50	33.0	1.2	2.7	1.3	106.0	2.0	3.0	12.0	--	--	0.40	0.30	0.2	192.0	7.3	--	108.0	5-22-62
34.9064	78.0492	061	211PEED	MAGNOLIA MUN, DU-50	27.0	1.3	2.3	1.2	90.0	1.0	5.5	11.0	--	--	0.20	0.10	0.1	151.0	7.0	--	94.0	5-27-58
34.9625	77.9661	061	211PEED	KENANSVILLE MUN, DU-43	43.0	0.9	5.6	1.6	142.0	4.8	3.3	17.0	--	--	0.20	0.40	0.1	254.0	7.7	17.5	147.0	2-23-56
34.9625	77.9661	061	211PEED	KENANSVILLE MUN, DU-43	42.0	1.9	6.0	1.7	143.0	--	3.0	18.0	--	--	0.20	0.50	0.1	265.0	7.7	--	148.0	5-22-62
34.9625	77.9661	061	211PEED	KENANSVILLE MUN, DU-43	42.0	1.5	--	--	138.0	4.9	3.2	18.0	--	--	--	--	0.1	--	7.9	--	--	5-15-47
34.9625	77.9661	061	211PEED	KENANSVILLE MUN, DU-43	43.0	1.5	5.5	1.5	143.0	4.8	4.6	19.0	--	--	0.10	--	0.1	240.0	8.0	18.0	151.0	3-30-66

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.0017	78.1011	061	211PEED	WARSAW MUN, DU-32	56.0	1.0	--	--	179.0	4.0	3.9	18.0	--	--	0.10	--	--	296.0	7.3	--	--	10-22-48
35.7889	77.6389	065	211CRCS3	PINETOPS MUN, ED-102A	24.0	3.5	12.0	4.4	115.0	7.8	3.8	32.0	--	--	--	--	--	209.0	7.1	--	145.0	1-10-56
36.5325	76.7892	073		56A2 FR1 N CAR	1.1	1.0	320.0	14.0	560.0	62.0	150.0	--	--	--	--	--	--	1500.0	8.0	--	--	6-27-72
36.5367	76.7875	073		56A3 FR2 N CAR	3.4	3.0	130.0	17.0	364.0	2.8	3.8	--	--	--	--	--	--	630.0	8.1	--	--	6-27-72
36.5431	76.7917	073		56A4 FR3 N CAR	1.5	1.5	280.0	18.0	644.0	30.0	51.0	--	--	--	--	--	--	1280.0	8.3	--	--	6-27-72
36.4128	76.7550	073	125BFRT	C BUNDY, GA-46	1.6	1.9	339.0	20.0	594.0	56.0	174.0	13.0	--	--	1.90	0.60	2.0	1580.0	8.2	--	904.0	11-26-58
36.3456	76.6064	073	125BFRT4	T W BLANCHARD, NC 30	6.0	4.1	825.0	28.0	839.0	103.0	768.0	8.6	--	--	0.60	--	1.5	3500.0	8.1	--	2160.0	5-18-65
35.4197	77.5881	079	211CRCS3	HOOKERTON MUN, GR-52	0.4	0.1	88.0	7.1	183.0	12.0	30.0	12.0	--	--	0.10	--	0.4	412.0	8.0	--	241.0	5-21-62
35.4197	77.5881	079	211CRCS3	HOOKERTON MUN, GR-52	0.3	0.6	87.0	7.0	181.0	12.0	31.0	12.0	--	--	0.10	--	0.5	402.0	8.1	17.5	240.0	3-31-66
35.4197	77.5881	079	211CRCS3	HOOKERTON MUN, GR-52	0.2	0.2	84.0	7.0	181.0	15.0	30.0	13.0	--	--	6.80	--	--	408.0	7.9	--	239.0	1- 4-55
35.4514	77.6839	079	211TSCL3	CAROLINA POWER CO, GR-29	4.4	3.3	84.0	8.3	226.3	--	28.0	12.0	--	--	0.10	0.50	0.5	424.0	7.9	16.0[1]	253.0	11-21-56
35.5956	77.6969	079	211TSCL3	WALSTONBURG MUN, GR-7	7.2	5.1	36.0	8.4	138.0	4.0	6.2	26.0	--	--	0.60	1.00	0.2	244.0	-	17.5	163.0	11-21-56
36.1247	77.4156	083	122YRKN	SCOTLAND NECK MUN HA-134	7.6	1.4	17.0	1.6	7.0	11.0	29.0	20.0	--	--	5.80	--	--	149.0	5.2	19.0	97.0	9-29-59
36.1294	77.4136	083	122YRKN	SCOTLAND NECK MUN HA-133	4.8	1.4	13.0	1.6	11.0	11.0	16.0	11.0	--	--	4.50	0.10	--	112.0	5.9	16.5	69.0	7- 9-58
36.1344	77.4111	083	122YRKN	SCOTLAND NECK MUN HA-132	7.2	1.8	17.0	2.4	16.0	6.9	27.0	9.2	--	--	6.60	0.10	--	153.0	6.2	16.5	86.0	7- 9-58
35.3586	79.1083	085	211CRCS4	E DOUGLAS, HR-31	4.8	2.5	3.6	3.2	34.0	2.1	3.0	26.0	--	--	0.40	--	0.1	66.9	7.1	--	62.0	1-19-59
36.2661	76.9608	091	110QPLC	HIGHWAY PATROL, HF-65	0.6	0.1	86.0	1.7	172.0	9.6	33.0	25.0	--	--	0.90	0.80	0.2	402.0	7.5	--	244.0	3-31-57
36.2931	76.9911	091	125BFRT	AHOSKIE MUN, HF-60	17.0	6.2	58.0	1.1	230.0	3.6	8.2	32.0	--	--	0.20	0.20	0.4	361.0	7.5	16.5	240.0	6-11-63
36.3931	76.9292	091	125BFRT	WINTON MUN, HF-30	1.0	0.5	144.0	6.9	282.0	13.0	48.0	14.0	--	--	0.30	2.20	1.3	641.0	8.0	20.0	371.0	5- 2-62
36.3931	76.9292	091	125BFRT	WINTON MUN, HF-30	1.0	0.5	142.0	6.3	279.0	12.0	48.0	15.0	--	--	6.00	2.40	1.2	632.0	8.0	18.0	367.0	9-29-59
36.3967	76.9322	091	125BFRT	WINTON MUN, HF-31	2.7	0.8	127.0	9.0	304.0	2.2	32.0	16.0	--	--	0.30	1.10	1.7	562.0	-	17.0	346.0	11-20-56
36.5278	77.0578	091	125BFRT	C D HOWELL, HF-4	12.0	3.9	45.0	7.9	182.0	2.1	1.5	29.0	--	--	0.30	--	0.4	--	7.5	17.0	193.0	8-14-56
36.5314	77.0844	091	125BFRT	E W EVANS, HF-3	10.0	4.8	59.0	9.5	223.0	3.1	5.0	20.0	--	--	0.10	0.30	0.6	339.0	7.6	16.5	224.0	8-14-56
36.3942	76.9394	091	211TSCL2	WINTON MUN, HF-28	8.0	0.4	142.0	6.7	285.0	12.0	49.0	15.0	--	--	0.20	1.30	1.2	614.0	8.1	16.5	369.0	11-20-56
36.4403	77.0997	091	211TSCL2	MURFREESBORO MUN, HF-13	1.2	0.2	64.0	4.8	169.0	--	4.0	27.0	--	--	0.30	1.90	0.3	281.0	7.8	17.5	192.0	5-14-64
36.4431	77.1097	091	211TSCL2	MURFREESBORO MUN, HF-14	1.2	0.6	62.0	0.4	163.0	2.6	5.5	29.0	--	--	0.60	1.70	0.2	270.0	-	14.5	185.0	12- 1-58
36.4431	77.1097	091	211TSCL2	MURFREESBORO MUN, HF-14	1.3	0.3	60.0	5.0	160.0	4.8	3.6	25.0	--	--	0.10	1.80	0.2	267.0	7.8	18.5	181.0	5-14-64
34.9733	79.2383	093	211CRCS3	RAEFORD MUN, HO-19	0.8	0.3	3.3	0.3	3.0	0.2	5.1	8.3	--	--	3.70	0.10	0.1	29.0	5.2	19.0	23.0	5-15-58
34.9733	79.2383	093	211CRCS3	RAEFORD MUN, HO-19	1.0	0.3	3.0	0.3	5.0	0.4	3.9	7.1	--	--	2.80	0.10	--	29.0	5.9	18.5	21.0	6-10-63
34.9817	79.2333	093	211CRCS4	RAEFORD MUN, HO-2I	2.0	0.7	--	3.4	8.0	1.4	3.2	7.5	--	--	3.50	--	--	41.8	5.9	18.0	26.0	11- 7-53
34.9817	79.2333	093	211CRCS4	RAEFORD MUN, HO-2I	0.8	0.5	4.1	0.3	4.0	--	5.6	7.0	--	--	6.20	--	--	38.2	5.5	19.0	27.0	5-15-58
34.9828	79.2389	093	211CRCS4	RAEFORD MUN, HO-20	0.8	0.1	2.0	--	5.0	--	2.1	6.9	--	--	0.10	--	--	14.0	5.8	18.0	14.0	6-10-63
34.9828	79.2389	093	211CRCS4	RAEFORD MUN, HO-20	1.0	0.2	2.3	0.3	3.0	1.0	3.5	7.8	--	--	1.90	--	--	23.9	5.2	19.0	19.0	5-15-58
34.9828	79.2389	093	211CRCS4	RAEFORD MUN, HO-21	1.1	0.4	3.4	--	5.0	3.4	2.2	6.6	--	--	1.50	--	--	24.0	6.1	18.0	21.0	6-10-63
34.9828	79.2389	093	211CRCS4	RAEFORD MUN, HO-21	1.0	0.2	2.3	0.3	3.0	1.0	3.5	7.8	--	--	1.90	--	--	23.9	5.2	19.0	19.0	5-15-58
34.9861	79.2389	093	211CRCS4	RAEFORD MUN, HO-17	0.6	0.4	2.0	--	3.0	0.6	2.6	7.5	--	--	1.00	--	--	--	5.3	--	16.0	3- 7-51
34.9861	79.2389	093	211CRCS4	RAEFORD MUN, HO-18	1.4	0.1	1.8	0.2	4.0	0.9	2.7	7.7	--	--	1.30	--	--	18.0	5.4	19.0	18.0	5-15-58
35.0611	79.3569	093	211CRCS4	TB SANATORIUM, HO-8	2.0	0.7	--	2.7	4.0	2.2	3.8	5.9	--	--	1.20	--	0.7	30.9	6.0	--	21.0	10-15-53
35.0611	79.3569	093	211CRCS4	TB SANATORIUM, HO-8	3.1	0.7	--	--	4.0	2.1	3.2	6.4	--	--	1.10	--	--	--	5.3	--	19.0	19- 8-53
35.1283	75.9219	095	100CZMZU	HAMMCK OKS P-A, HY-42	58.0	9.8	18.0	1.3	200.1	8.9	34.0	14.0	--	--	0.50	--	0.1	433.0	8.3	18.5	242.0	3-18-59
35.1283	75.9219	095	100CZMZU	HAMMCK OKS P-A, HY-42	72.0	32.0	206.0	7.3	202.1	54.0	385.0	13.0	--	--	0.10	0.20	0.2	1650.0	8.3	18.5	871.0	3-18-59
35.1283	75.9219	095	100CZMZU	HAMMCK OKS P-A, HY-42	117.0	30.0	150.0	7.1	400.0	--	263.0	--	--	--	--	--	--	1440.0	8.0	--	--	11- 2-66
35.1269	75.9214	095	110QPLC	CORPS OF ENG, HY-24	41.0	35.0	126.0	22.0	531.0	0.8	94.0	52.0	--	--	0.70	--	0.4	1030.0	7.4	--	635.0	8-24-62
35.1283	75.9219	095	110QPLC	SWAN QUARTER MUN, HY-26	80.0	57.0	355.0	25.0	623.0	10.0	526.0	51.0	--	--	0.90	--	0.6	2620.0	7.6	--	1410.0	10-22-66
35.1283	75.9219	095	110QPLC	SWAN QUARTER MUN, HY-28	160.0	16.0	120.0	14.0	486.0	26.0	215.0	60.0	--	--	0.90	--	0.4	1370.0	8.1	--	853.0	11- 2-66
35.1283	75.9219	095	110QPLC	SWAN QUARTER MUN, HY-30	124.0	24.0	30.0	12.0	502.0	6.8	51.0	60.0	--	--	0.70	--	0.5	878.0	7.3	--	557.0	1-25-67
35.1431	75.8892	095	110QPLC	NPS AT OCRACOKE, HY-61	60.0	5.6	13.0	1.0	199.0	7.2	21.0	6.3	--	--	0.20	--	--	382.0	7.7	--	213.0	11-19-65
35.1431	75.8892	095	110QPLC	NPS AT OCRACOKE, HY-61	98.0	12.0	14.0	3.5	355.0	5.2	22.0	7.5	--	--	0.70	--	0.2	597.0	7.3	--	340.0	11-15-65
35.4083	76.3292	095	110QPLC	M H SWINDELL, HY-6	134.0	45.0	87.0	8.8	515.0	1.4	202.0	62.0	--	--	0.30	--	0.2	1360.0	7.2	17.0	796.0	7-13-60
35.1136	75.9747	095	120TRTR7	TEST WELL NO U, HY-32	128.0	326.0	2380.0	110.0	456.0	401.0	4550.0	19.0	--	--	--	--	0.1	13200.0	8.0	--	8140.0	4- 1-60
35.1136	75.9747	095	120TRTR7	TEST WELL NO U, HY-32	37.0	113.0	1220.0	58.0	586.0	372.0	1730.0	29.0	--	--	--	--	2.0	6500.0	7.8	--	3850.0	4- 1-60
35.1164	75.9853	095	122YRKN	B G MIDGETTE, HY-20	7.4	11.0	300.0	19.0	588.0	2.6	168.0	23.0	--	--	0.60	0.20	0.7	1400.0	8.2	--	823.0	8-20-62
35.1283	75.9219	095	122YRKN	SWAN QUARTER MUN, HY-29	97.0	27.0	159.0	14.0	477.0	5.6	214.0	52.0	--	--	1.00	--	0.6	1300.0	7.3	17.5	816.0	11-29-66
35.1283	75.9219	095	122YRKN	SWAN QUARTER MUN, HY-29	90.0	18.0	73.0	6.3	368.0	9.0	105.0	44.0	--	--	0.70	0.03[1]	0.5	907.0	7.3	--	534.0	1- 9-67
35.1289	76.3283	095	122YRKN	HYDE CO SCH, HY-21	61.0	22.0	32.0	7.0	291.0	0.8	47.0	62.0	--	--	0.60	0.10	0.3	590.0	8.2	--	376.0	8-20-62
35.4333	76.2125	095	122YRKN	E CARAWAN, HY-23	32.0	55.0	70.0	30.0	547.0	2.0	17.0	31.0	--	--	1.40	--	0.4	820.0	8.2	--	509.0	8-20-62
35.5450	76.2333	095	122YRKN	DIV OF FORESTRY, HY-22	2.6	42.0	375.0	33.0	768.9	6.0	308.0	16.0	--	--	1.70	0.20	0.5	2000.0	8.5	--	1160.0	8-20-62
35.5833	76.4958	095	122YRKN	M ARMSTRONG, HY-75	100.0	47.0	20.0	20.0	560.0	0.8	26.0	46.0	--	--	0.80	0.10	0.2	870.0	8.1	18.5	538.0	8-20-63
35.1139	75.9836	095	123OLGC	OCRACOKE ELEC CORP HY 31	68.0	175.0	1710.0	65.0	542.0	493.0	2670.0	25.0	--	--	--	0.20	1.3	8760.0	7.1	--	5480.0	2- 1-57
35.3811	78.3653	101	110QPLC	R SANDERS, JH-143	2.0	3.0	19.0	1.5	2.0	0.2	36.0	11.0	--	--	11.00	--	0.1	170.0	4.6	16.0	85.0	12-10-58

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.4775	78.3842	101	200HSIC4	C R CABLE, JH-92	11.0	5.1	5.4	0.8	69.0	2.6	2.8	38.0	--	--	0.40	--	0.1	125.0	6.9	19.0	100.0	9-16-58
35.2750	78.4819	101	211TSCL3	A JOHNSON, JH-140	7.7	6.8	54.0	5.0	176.0	8.8	7.7	16.0	--	--	0.30	--	0.5	322.0	7.8	12.0	194.0	12-10-58
35.2931	78.3139	101	211TSCL3	J J LANGSTON, JH-144	5.2	1.0	127.0	15.0	334.0	16.0	17.0	10.0	--	--	0.40	--	1.1	553.0	7.8	17.0	358.0	10- 1-58
35.3189	78.4528	101	211TSCL3	E G CLIFTON, JH-138	2.7	2.3	48.0	11.0	148.0	3.9	8.3	17.0	--	--	0.70	0.30	0.4	275.0	7.8	16.0	168.0	11- 6-58
35.3297	78.4806	101	211TSCL3	H A TART, JH-137	2.0	2.7	6.8	2.2	38.0	1.1	2.5	42.0	--	--	0.10	0.40	4.0	65.9	6.4	19.5	79.0	9-17-58
35.0175	77.2517	103	110QPLC	USMC OAK GROVE, HC-73	59.0	1.8	2.8	0.5	162.0	21.0	3.2	6.0	--	--	0.20	0.15	0.1	323.0	7.3	15.5	176.0	5-16-67
35.0117	77.2942	103	120TRTR7	J K DIXON, JO-22	46.0	0.9	--	--	136.0	4.0	6.2	--	--	--	--	--	0.2	256.0	6.9	16.5	--	11-13-54
35.0831	77.4069	103	124CSLH	P L FOY, JO-6	69.0	3.8	5.2	3.2	242.0	0.6	5.5	24.0	--	--	0.40	--	--	--	7.3	17.5	231.0	6-15-55
35.0294	77.2644	103	211PEED	USMC OAK GROVE, JO-21	68.0	3.0	5.1	3.5	217.0	2.4	6.0	26.0	--	--	--	0.30	0.2	365.0	7.6	19.0	222.0	4- 2-63
35.2558	77.5656	107	211BKCK	KINSTON MUN, LN-58	9.6	6.6	30.0	17.0	156.0	3.5	2.2	11.0	--	--	1.00	--	0.1	254.0	8.0	--	158.0	1- 3-55
35.2558	77.5656	107	211BKCK	KINSTON MUN, LN-58	5.6	3.9	31.0	16.0	136.0	1.2	3.2	11.0	--	--	0.90	0.80	0.2	237.0	7.7	--	141.0	2-21-56
35.2558	77.5656	107	211BKCK	KINSTON MUN, LN-58	6.6	4.8	28.0	18.0	143.0	2.0	3.2	9.7	--	--	0.20	0.60	0.2	250.0	7.6	18.0	144.0	5-21-62
35.2558	77.5656	107	211BKCK	KINSTON MUN, LN-58	3.7	2.7	33.0	15.0	128.0	2.6	3.6	11.0	--	--	0.20	--	0.2	218.0	7.4	18.5	135.0	3-30-66
35.2647	77.6467	107	211BKCK	KINSTON MUN, LN-85	2.2	0.4	43.0	9.6	117.0	4.8	8.8	11.0	--	--	0.20	--	0.2	219.0	7.8	16.0	138.0	3-30-66
35.2647	77.6467	107	211BKCK	KINSTON MUN, LN-85	1.7	1.0	44.0	11.0	128.0	5.2	7.5	10.0	--	--	0.10	0.90	0.1	230.0	7.4	19.0	289.0	5-28-59
35.2647	77.6467	107	211BKCK	KINSTON MUN, LN-85	0.8	0.5	44.0	9.5	115.0	4.8	9.0	9.9	--	--	0.70	1.10	0.3	234.0	7.9	--	138.0	5-21-62
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-51	5.9	2.5	34.0	9.2	126.0	2.6	7.0	11.0	--	--	0.10	1.20	0.3	237.0	8.1	18.0	137.0	3- 1-56
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-51	9.9	2.6	32.0	8.8	126.0	3.0	7.0	12.0	--	--	0.10	--	0.2	219.0	7.5	18.5	138.0	3-30-66
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-51	7.9	1.7	34.0	9.9	127.0	3.4	6.4	11.0	--	--	--	1.00	0.2	231.0	7.8	18.5	139.0	5-21-62
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-52	45.0	4.5	11.0	6.9	189.0	1.8	3.4	17.0	--	--	0.20	--	0.2	306.0	7.5	17.5	183.0	3-30-66
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-52	9.4	2.3	33.0	9.2	128.0	0.7	5.6	11.0	--	--	0.40	1.20	--	227.0	7.9	18.0	136.0	2-21-56
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-52	18.0	3.6	25.0	7.6	138.0	2.0	6.0	12.0	--	--	0.10	0.80	0.3	243.0	7.7	18.0	143.0	5-21-62
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-53	1.8	1.1	42.0	7.0	121.0	1.6	5.8	12.0	--	--	0.10	1.30	0.1	220.0	7.9	18.5	133.0	2-21-56
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-53	3.4	1.8	46.0	9.1	133.0	3.4	9.0	11.0	--	--	0.10	--	0.4	227.0	7.5	18.0	150.0	3-30-66
35.2658	77.5950	107	211BKCK	KINSTON MUN, LN-53	2.6	1.7	42.0	9.7	125.0	3.0	8.2	10.0	--	--	0.10	1.10	0.3	237.0	7.7	18.5	141.0	5-21-62
35.2703	77.5750	107	211BKCK	KINSTON MUN, LN-57	1.8	0.9	44.0	9.5	124.0	2.5	10.0	12.0	--	--	0.40	--	0.2	246.0	8.0	18.0	142.0	2-21-56
35.2703	77.5750	107	211BKCK	KINSTON MUN, LN-57	4.8	1.7	45.0	12.0	141.0	2.6	9.8	9.6	--	--	0.20	0.90	0.4	269.0	7.7	18.5	156.0	5-21-62
35.2703	77.5750	107	211BKCK	KINSTON MUN, LN-57	3.5	0.7	41.0	10.0	121.0	1.8	7.0	10.0	--	--	0.10	--	0.3	211.0	7.4	18.5	134.0	3-30-66
35.2717	77.6150	107	211BKCK	CASWELL SCHOOL, LN-48	36.0	3.6	7.2	4.5	149.0	2.9	3.2	17.0	--	--	0.10	--	--	246.0	7.4	--	148.0	11-30-55
35.2717	77.6150	107	211BKCK	CASWELL SCHOOL, LN-48	23.0	2.5	31.0	5.5	142.0	8.9	15.0	15.0	--	--	--	--	--	278.0	7.4	--	171.0	11-30-55
35.2844	77.5844	107	211BKCK	KINSTON MUN, LN-86	3.5	2.1	37.0	16.0	135.0	2.4	5.0	9.7	--	--	0.50	0.80	0.3	241.0	7.6	18.5	145.0	5-21-62
35.2844	77.5844	107	211BKCK	KINSTON MUN, LN-86	5.3	3.6	34.0	19.0	151.0	1.2	3.0	9.7	--	--	0.20	--	0.2	248.0	7.5	18.0	151.0	3-30-66
35.3236	77.6261	107	211BKCK	KINSTON AIRPORT, LN-19	19.0	2.6	29.0	7.8	145.0	3.5	6.5	18.0	--	--	--	--	0.2	255.0	7.7	--	158.0	9- 1-54
35.3078	77.7856	107	211CRCS3	LA GRANGE MUN, LN-39	1.9	1.7	31.0	5.6	81.0	3.8	10.0	27.0	--	--	0.30	2.70	0.2	182.0	7.3	--	125.0	5-27-59
35.3078	77.7856	107	211CRCS3	LA GRANGE MUN, LN-39	2.4	1.2	32.0	6.4	89.0	5.6	7.8	26.0	--	--	1.20	--	0.1	173.0	7.3	--	127.0	1- 3-55
35.3078	77.7856	107	211CRCS3	LA GRANGE MUN, LN-39	1.9	1.2	34.0	6.2	88.0	4.8	8.5	24.0	--	--	0.20	1.10	0.1	190.0	-	18.5	125.0	10- 8-64
35.0594	77.7442	107	211PEED	PINK HILL MUN, LN-84	48.0	2.1	3.3	1.7	156.0	1.2	3.6	12.0	--	--	0.10	0.30	0.1	262.0	7.6	18.5	149.0	5-21-62
35.0594	77.7442	107	211PEED	PINK HILL MUN, LN-84	38.0	4.3	7.5	5.9	157.0	1.0	3.0	12.0	--	--	0.20	--	0.2	260.0	7.7	18.0	149.0	3-30-66
35.0594	77.7442	107	211PEED	PINK HILL MUN, LN-84	48.0	0.7	2.9	1.0	150.0	1.5	3.2	12.0	--	--	--	--	0.1	--	7.5	--	143.0	2- 1-55
35.3189	77.5053	107	211PEED	R W HAMILTON, LN-31	44.0	2.3	8.4	3.9	170.0	1.1	4.0	18.0	--	--	0.40	--	0.1	278.0	7.4	--	166.0	4-13-55
35.3283	77.6292	107	211PEED	KINSTON AIRPORT, LN-17	47.0	1.6	--	--	156.0	0.6	5.5	19.0	--	--	0.60	--	0.1	264.0	6.9	--	157.0	7-17-53
35.7189	77.0778	117	110QPLC	J C GRIFFIN MR-260	2.0	32.0	--	--	36.0	4.0	78.0	--	--	--	--	--	--	--	6.1	--	--	4-16-59
35.7208	76.9583	117	110QPLC	P HARDISON MR-353	82.0	4.9	--	--	272.0	3.0	13.0	--	--	--	--	--	--	--		--	--	8- 1-60
35.7425	77.0775	117	110QPLC	W O PEALE MR-259	23.0	34.0	--	--	148.0	30.0	23.0	--	--	--	--	--	--	--	5.8	--	--	4-13-59
35.7744	77.1733	117	110QPLC	J B LEGGETT MR-184	21.0	8.2	--	--	55.0	3.4	32.0	--	--	--	--	--	--	--	4.7	--	--	4-10-59
35.8133	76.8481	117	110QPLC	W M DAVIS MR-395	13.0	8.8	--	--	42.0	28.0	7.4	--	--	--	--	--	--	--	5.6	--	--	3-25-59
35.8236	77.2058	117	110QPLC	V BUNTON MR-148	27.0	--	--	--	44.0	3.3	23.0	--	--	--	--	--	--	--	5.4	--	--	5-11-59
35.8400	77.1072	117	110QPLC	J WILLIAMS MR-178	42.0	2.5	--	--	108.0	8.0	19.0	--	--	--	--	--	--	--	6.5	--	--	4-28-59
35.8661	77.3347	117	110QPLC	J B PURVIS MR-43	19.0	11.0	--	--	32.0	1.9	48.0	--	--	--	--	--	--	--	5.2	--	--	4- 7-59
35.8739	77.0028	117	110QPLC	W L LASSITER MR-177	29.0	2.7	--	--	58.0	9.2	25.0	--	--	--	--	--	--	--	5.9	--	--	4- 8-59
35.8850	77.3311	117	110QPLC	W E PURVIS MR-32	37.0	--	--	--	32.0	3.0	45.0	--	--	--	--	--	--	--	5.1	--	--	2-25-59
35.9222	77.2022	117	110QPLC	A B BULLOCK MR-97	17.0	6.9	--	--	68.0	0.9	10.0	--	--	--	--	--	--	--	5.3	--	--	4- 8-59
35.9994	77.3036	117	110QPLC	M HYMAN MR-15	42.0	0.6	--	--	32.0	8.4	68.0	--	--	--	--	--	--	--	4.6	--	--	4- 2-59
36.0489	77.3344	117	110QPLC	J A EVERETTS MR-3	10.0	9.8	--	--	36.0	7.0	26.0	--	--	--	--	--	--	--	5.2	--	--	6- 1-59
35.8217	77.3450	117	122YRKN	R CARSON MR-48	73.0	6.0	--	--	218.0	0.6	6.8	--	--	--	--	--	--	--	6.8	--	--	4- 7-59
35.8778	77.2356	117	122YRKN	J PERKINS MR-99	44.0	0.9	--	--	148.0	2.5	6.2	--	--	--	--	--	--	--	7.8	--	--	4- 3-59
35.6956	76.9856	117	124CSLH	O WAINWRIGHT MR-346	87.0	30.0	--	--	426.0	1.6	9.4	--	--	--	--	--	--	--	6.6	--	--	4-24-59
35.7075	76.9864	117	124CSLH	C J ROBERSON MR-347	70.0	29.0	--	--	360.0	3.5	10.0	--	--	--	--	--	--	--	8.7	--	--	3-10-59
35.7153	76.9819	117	124CSLH	M ROBERSON MR-349	98.0	18.0	--	--	352.0	2.5	13.0	--	--	--	--	--	--	--	8.2	--	--	3-25-59
35.7153	76.9903	117	124CSLH	J T LILLY MR-344	74.0	28.0	--	--	348.0	5.5	11.0	--	--	--	--	--	--	--	8.1	--	--	4-20-59

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Lat-itude	Lon-gitude	Coun-ty	Geo-logic unit code	Local well identifier	Cal-cium	Mag-ne-sium	So-dium	Po-tas-sium	Bi-car-bo-nate	Sul-fate	Chlo-ride	Sil-ica	Iron	Alumi-num	Ni-trate	Phos-phate	Fluor-ide	Specific conduct-ance	pH	Tem-per-ature	Dis-solved solids	Col-lec-tion date
35.7186	76.9592	117	124CSLH	P HARDISON MR-352	63.0	44.0	--	--	371.0	3.5	18.0	--	--	--	--	--	--	--	7.0	--	--	4-21-59
35.7219	76.9875	117	124CSLH	A ROBERSON MR-343	90.0	12.0	--	--	308.0	0.4	10.0	--	--	--	--	--	--	--	8.0	--	--	5-16-59
35.7236	77.0189	117	124CSLH	T TICE MR-308	70.0	8.8	--	--	246.0	0.5	16.0	--	--	--	--	--	--	--	7.3	--	--	4-14-59
35.7242	76.9789	117	124CSLH	I HARISON MR-350	52.0	35.0	--	--	304.0	4.6	15.0	--	--	--	--	--	--	--	7.9	--	--	4-20-59
35.7297	77.0181	117	124CSLH	H M PEALE MR-310	56.0	11.0	--	--	222.0	--	12.0	--	--	--	--	--	--	--	7.2	--	--	4-14-59
35.7333	76.9500	117	124CSLH	A E MANNING MR-354	58.0	39.0	--	--	379.0	7.0	11.0	--	--	--	--	--	--	--	7.1	--	--	4-24-59
35.7347	76.9475	117	124CSLH	A E MANNING MR-355	35.0	48.0	--	--	344.0	1.0	12.0	--	--	--	--	--	--	--	-	15.5	--	4-24-59
35.7350	76.9744	117	124CSLH	H ROBERSON MR-341	100.0	6.0	--	--	300.0	4.2	10.0	--	--	--	--	--	--	--	8.2	--	--	3-25-59
35.7389	76.8944	117	124CSLH	MARTIN T-2 MR-421	21.0	11.0	175.0	20.0	428.0	20.0	91.0	9.5	--	--	1.50	--	1.1	970.0	8.1	--	562.0	5-11-61
35.7419	76.9894	117	124CSLH	S COLTRAIN MR-312	80.0	12.0	--	--	280.0	3.0	8.0	--	--	--	--	--	--	--	8.2	--	--	5-25-59
35.7475	76.9800	117	124CSLH	G E ROBERSON MR-339	78.0	15.0	--	--	284.0	6.5	8.0	--	--	--	--	--	--	--	-	--	--	4-20-59
35.7631	76.8167	117	124CSLH	G ANGE MR-415	72.0	32.0	--	--	344.0	0.6	11.0	--	--	--	--	--	--	--	7.5	--	--	4-23-59
35.7717	76.9292	117	124CSLH	H A PIERCE MR-357	53.0	54.0	--	--	408.0	4.0	11.0	--	--	--	--	--	--	--	7.4	--	--	4-24-59
35.7814	76.9589	117	124CSLH	M GARDNER MR-320	50.0	47.0	--	--	391.0	8.0	13.0	--	--	--	--	--	--	--	-	--	--	7- 1-60
35.7889	76.8094	117	124CSLH	G F GORDON MR-386	13.0	61.0	--	--	296.0	10.0	9.4	--	--	--	--	--	--	--	-	--	--	4-23-59
35.7931	76.9058	117	124CSLH	L M BROWN MR-370	78.0	18.0	--	--	276.0	12.0	13.0	--	--	--	--	--	--	--	-	--	--	4-23-59
35.7929	76.8967	117	124CSLH	P J MODLIN MR-371	9.0	53.0	--	--	280.0	8.0	9.6	--	--	--	--	--	--	--	-	--	--	4-23-59
35.7967	76.9064	117	124CSLH	MRS S A BROWN MR-369	45.0	38.0	--	--	274.0	9.0	9.6	--	--	--	--	--	--	--	-	--	--	4-23-59
35.7986	76.8069	117	124CSLH	UNION TOWN CH MR-412	58.0	20.0	--	--	284.0	0.5	9.4	--	--	--	--	--	--	--	7.6	--	--	4-27-59
35.8022	76.8747	117	124CSLH	D B HOLLIDAY MR-390	87.0	27.0	--	--	334.0	9.0	14.0	--	--	--	--	--	--	--	-	--	--	4-27-59
35.8086	76.9011	117	124CSLH	JAMESVILLE SCH MR-364	82.0	7.9	--	--	230.0	11.0	13.0	--	--	--	--	--	--	--	8.4	--	--	3-10-59
35.8108	76.8992	117	124CSLH	L H HARDISON, MR-363	50.0	32.0	--	--	284.0	5.5	12.0	--	--	--	--	--	--	--	-	--	--	7- 1-60
35.8133	76.8994	117	124CSLH	L H HARDISON MR-362	67.0	8.8	13.0	--	265.0	2.4	7.5	32.0	--	--	0.40	--	0.1	420.0	7.0	17.5	203.0	9-23-53
35.8133	76.8994	117	124CSLH	L H HARDISON MR-362	74.0	23.0	--	--	282.0	6.5	18.0	--	--	--	--	--	--	--	7.4	--	--	2-20-59
35.8144	76.9753	117	124CSLH	J JONES MR-297	53.0	45.0	--	--	388.0	8.0	14.0	--	--	--	--	--	--	--	7.4	--	--	4-28-59
35.8319	76.7972	117	124CSLH	D A DANIELS MR-408	64.0	29.0	--	--	332.0	1.5	14.0	--	--	--	--	--	--	--	7.6	--	--	4-27-59
35.8336	76.8197	117	124CSLH	S F DAVIS MR-400	75.0	24.0	--	--	356.0	3.2	12.0	--	--	--	--	--	--	--	7.2	--	--	4-27-59
35.7328	77.0331	117	125BFRT	J T GRIFFIN MR-307	45.0	29.0	--	--	258.0	--	24.0	--	--	--	--	--	--	--	7.3	--	--	4-14-59
35.7353	77.0325	117	125BFRT	H B GRIFFIN MR-306	45.0	29.0	--	--	276.0	--	14.0	--	--	--	--	--	--	--	7.3	--	--	4-14-59
35.7481	77.0483	117	125BFRT	H L GRIFFIN MR-275	58.0	19.0	--	--	284.0	0.3	9.0	--	--	--	--	--	--	--	7.8	--	--	4-16-59
35.7622	77.0519	117	125BFRT	P B LILLY MR-264	43.0	34.0	--	--	255.0	0.7	14.0	--	--	--	--	--	--	--	-	--	--	4-16-59
35.7633	77.0381	117	125BFRT	D C GURKIN MR-271	60.0	15.0	--	--	288.0	2.5	8.0	--	--	--	--	--	--	--	-	--	--	4-20-59
35.8028	77.0542	117	125BFRT	H D GRIFFIN JR MR-245	10.0	39.0	--	--	216.0	5.0	8.0	--	--	--	--	--	--	--	7.9	--	--	4-21-59
35.8069	77.0606	117	125BFRT	MRS B HOPKINS MR-243	50.0	12.0	--	--	200.0	7.0	9.0	--	--	--	--	--	--	--	7.6	--	--	4-13-59
35.8369	77.1450	117	125BFRT	P DICKSON MR-171	19.0	2.1	--	--	53.0	1.6	9.8	--	--	--	--	--	--	--	5.1	--	--	4-27-59
35.7064	77.0683	117	125BFRTQ	C A HOLLIDAY MR-278	77.0	5.2	--	--	241.0	0.5	19.0	--	--	--	--	--	--	--	7.1	--	--	4-14-59
35.7556	77.0264	117	125BFRTQ	J A GRIFFIN MR-288	68.0	16.0	--	--	292.0	4.0	10.0	--	--	--	--	--	--	--	-	--	--	4-16-59
35.8181	77.2572	117	211BKCK	ROBERSONVILLE MUN MR-109	2.8	2.9	364.0	12.0	440.0	136.0	235.0	26.0	--	--	1.50	0.40	1.1	1720.0	8.0	--	1010.0	6-30-59
35.8181	77.2572	117	211BKCK	ROBERSONVILLE MUN MR-109	1.3	0.5	157.0	11.0	404.0	7.8	18.0	24.0	50.0	--	0.10	--	1.1	662.0	7.9	20.5	422.0	9-26-55
35.8181	77.2572	117	211BKCK	ROBERSONVILLE MUN MR-109	2.1	3.1	370.0	18.0	437.0	141.0	233.0	23.0	--	--	0.10	0.30	1.0	17.0	7.9	18.5	1010.0	5-15-64
35.8200	77.2561	117	211BKCK	ROBERSONVILLE MUN MR-110	1.4	0.9	161.0	12.0	397.0	9.2	20.0	21.0	--	--	0.20	0.40	1.0	679.0	7.8	18.5	432.0	5-15-64
35.8200	77.2561	117	211BKCK	ROBERSONVILLE MUN MR-110	2.4	1.1	157.0	9.5	397.0	9.1	18.0	25.0	--	--	0.70	0.30	1.0	698.0	7.6	18.5	419.0	6-30-59
35.8400	77.0672	117	211BKCK	WILLIAMSTON MUN MR-211	2.8	1.5	142.0	8.5	386.0	3.3	7.0	11.0	--	--	0.60	0.30	2.3	648.0	7.6	18.0	386.0	7- 1-59
35.8403	77.1717	117	211BKCK	BOARD OF ED MR-156	13.0	3.0	159.0	--	374.0	25.0	24.0	17.0	--	--	--	--	2.2	662.0	8.0	16.5	426.0	3-11-59
35.8433	77.0653	117	211BKCK	WILLIAMSTON MUN MR-210	2.4	1.2	146.0	7.6	390.0	5.3	9.5	11.0	--	--	0.50	0.20	2.5	650.0	8.0	--	385.0	6-30-59
35.8481	77.0628	117	211BKCK	WILLIAMSTON MUN MR-209	22.0	15.0	36.0	2.8	181.0	13.0	23.0	25.0	--	--	0.40	0.10	0.5	397.0	7.6	18.5	235.0	7- 1-59
35.8483	77.0708	117	211BKCK	WILLIAMSTON MUN MR=203	1.8	0.8	178.0	7.5	395.0	13.0	45.0	13.0	--	--	0.50	--	1.7	803.0	8.7	16.5	456.0	5-25-60
35.8483	77.0708	117	211BKCK	WILLIAMSTON MUN MR-203	--	0.7	226.0	10.0	383.0	28.0	106.0	14.0	--	--	0.20	0.50	2.2	955.0	7.8	19.5	573.0	6-11-63
35.8492	77.0619	117	211BKCK	WILLIAMSTON MUN MR-206	1.7	1.1	212.0	8.9	372.0	25.0	104.0	15.0	--	--	1.50	0.60	0.3	988.0	7.8	16.5	578.0	10-28-57
35.8492	77.0619	117	211BKCK	WILLIAMSTON MUN MR-206	1.6	1.3	214.0	7.5	373.0	27.0	115.0	17.0	--	--	0.70	0.50	0.3	1000.0	8.0	--	584.0	6-30-59
35.8492	77.0619	117	211BKCK	WILLIAMSTON MUN MR-206	1.3	0.6	230.0	9.6	379.0	28.0	112.0	15.0	--	--	0.30	--	1.9	968.0	-	20.0	584.0	6-11-63
35.8536	77.0619	117	211BKCK	WILLIAMSTON MUN MR-201	1.0	0.8	226.0	9.7	378.0	26.0	108.0	15.0	--	--	0.40	0.50	1.6	942.0	7.8	19.5	570.0	6-11-63
35.8536	77.0619	117	211BKCK	WILLIAMSTON MUN MR-201	2.6	1.3	227.0	10.0	368.0	29.0	137.0	17.0	--	--	0.40	0.40	2.2	1050.0	8.1	--	614.0	6-30-59
35.8544	77.0525	117	211BKCK	WILLIAMSTON MUN MR-207	1.8	2.7	326.0	--	368.0	63.0	250.0	17.0	--	--	1.20	--	1.5	--	7.9	--	872.0	10-15-47
35.8544	77.0525	117	211BKCK	WILLIAMSTON MUN MR-207	3.6	3.6	406.0	16.0	362.0	83.0	390.0	23.0	--	--	1.80	0.30	1.4	2050.0	7.7	--	1140.0	6-30-59
35.8575	77.2600	117	211BKCK	H WARREN MR-87	52.0	0.9	--	--	148.0	1.5	6.6	--	--	--	--	--	--	--	-	--	--	5- 6-59
35.8578	77.0386	117	211BKCK	MATHISON CHEM MR-208	1.1	0.5	244.0	11.0	363.0	42.0	146.0	20.0	--	--	0.60	0.60	2.0	1090.0	8.0	16.0	650.0	1-21-60
35.9336	77.2022	117	211BKCK	BEAUNIT CO MR-94	--	6.6	114.0	16.0	364.0	1.8	5.2	25.0	--	--	0.10	0.50	0.5	575.0	7.6	--	355.0	10-26-61
35.9342	77.1972	117	211BKCK	BEAUNIT CO MR-96	5.0	6.6	110.0	15.0	370.0	4.4	3.6	--	--	--	--	--	--	550.0	7.6	--	--	10- 6-61
35.9386	77.2211	117	211BKCK	W F THOMAS MR-76	16.0	14.0	--	--	14.0	20.0	44.0	--	-	--	--	--	--	--	3.9	15.5	--	4- 2-59

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.9414	77.2031	117	211BKCK	HAMILTON MUN MR-84	6.1	4.9	91.0	11.0	290.0	2.2	7.0	29.0	--	--	1.10	0.40	0.7	482.0	7.5	--	297.0	6-30-5
35.9414	77.2031	117	211BKCK	HAMILTON MUN MR-84	3.5	5.3	90.0	14.0	281.0	3.4	6.5	26.0	--	--	0.60	0.40	0.7	442.0	7.6	--	292.0	5-15-6
35.8094	77.0922	117	211PEED	J BADLEY MR-222	24.0	17.0	56.0	24.0	324.0	0.5	4.8	16.0	--	--	3.10	--	0.4	505.0	7.4	--	299.0	2-17-5
35.8336	77.1664	117	211PEED	BOARD OF ED MR-160	1.0	0.6	169.0	13.0	389.0	10.0	30.0	18.0	--	--	--	--	1.8	700.0	8.0	16.5	439.0	1-21-6
35.8356	77.1117	117	211PEED	R L SMITH MR-180	32.0	5.5	--	--	104.0	2.0	18.0	--	--	--	--	--	--	--	7.2	--	--	5-25-5
35.8669	77.2403	117	211PEED	H F BROWN MR-101	27.0	7.7	--	--	128.0	5.1	6.4	--	--	--	--	--	--	--	7.6	--	--	4- 3-59
35.9431	77.2056	117	211PEED	HAMILTON MUN MR-83	38.0	9.2	5.5	1.5	154.0	8.2	8.8	36.0	--	--	0.10	0.20	0.2	285.0	7.3	16.5	182.0	11-19-56
35.9375	77.2000	117	211TSCL3	MARTIN T-1 MR-420	6.8	12.0	640.0	33.0	690.3	216.0	480.0	5.4	--	--	0.10	--	1.2	2870.0	8.4	--	1730.0	4-27-61
35.9375	77.2000	117	211TSCL3	MARTIN T-1 MR-420	3.4	5.7	500.0	23.0	566.2	173.0	324.0	14.0	--	--	0.50	--	0.9	2200.0	8.3	--	1320.0	4-28-61
35.9619	77.3056	117	211TSCL3	OAK CITY MUN MR-22	17.0	11.0	48.0	12.0	250.0	1.2	5.0	28.0	--	--	0.60	--	0.3	390.0	7.6	--	246.0	5-15-64
35.9619	77.3056	117	211TSCL3	OAK CITY MUN MR-22	28.0	9.0	29.0	8.1	211.0	0.7	4.8	37.0	--	--	--	0.20	0.2	337.0	7.3	17.5	211.0	11-19-56
35.8300	77.0694	117	211TSCL4	ROANOKE CLUB MR-217	1.1	0.9	220.0	10.0	387.0	37.0	96.0	16.0	--	--	0.60	0.60	2.3	967.0	7.9	17.0	579.0	1-21-60
36.0250	77.2869	117	211TSCL4	W R EVERETTS MR-16	31.0	27.0	--	--	222.0	2.5	7.4	--	--	--	--	--	--	--	7.2	--	--	5-23-59
34.3103	77.9761	129			280.0	280.0	6300.0	200.0	--	550.0	11000.0	11.0	5000.0	100.0	--	--	0.4	28250.0	-	20.0	--	10-31-73
34.3128	77.9889	129			320.0	270.0	6400.0	190.0	--	180.0	11000.0	10.0	1700.0	10.0	--	--	0.2	31300.0	-	20.0	--	10-31-73
34.3156	77.9767	129			340.0	300.0	7000.0	210.0	--	270.0	12000.0	11.0	1300.0	10.0	--	--	0.3	32640.0	-	20.0	--	10-31-73
34.3158	77.9692	129			350.0	310.0	7000.0	220.0	--	280.0	13000.0	9.8	2600.0	100.0	--	--	0.3	32120.0	-	20.0	--	10-31-73
34.3158	77.9692	129		HERCULES INC, NH-429	353.0	326.0	6950.0	175.0	230.0	235.0	12200.0	11.0	--	--	1.80	--	0.8	31800.0	7.3	--	20400.0	6-20-72
34.3172	77.9825	129			320.0	280.0	6600.0	200.0	--	230.0	12000.0	9.9	5400.0	10.0	--	--	0.4	31400.0	-	20.0	--	10-31-73
34.3172	77.9825	129		HERCULES INC, NH-427	401.0	243.0	6700.0	160.0	221.0	205.0	11500.0	11.0	--	--	--	--	0.8	30000.0	7.3	--	19300.0	6-20-72
34.3222	77.9700	129			280.0	300.0	7000.0	210.0	--	220.0	12000.0	3.6	37000.0	100.0	--	--	0.2	32100.0	-	20.0	--	10-31-73
34.3150	77.9692	129	*	HERCULES INC, NH-429	1.5	0.9	2.1	5.0	7.0	4.4	3.4	4.1	--	--	0.10	--	--	31.0	6.0	19.5	20.0	5-19-72
34.2850	77.9633	129	100CZMZ	USGS, NH-111	3.0	0.4	1.8	1.9	10.0	2.2	3.0	4.1	--	--	0.30	--	--	31.0	6.9	20.0	22.0	6-10-65
34.3172	77.9825	129	100CZMZU	HERCULES INC, NH-427	2.0	1.0	4.9	0.6	10.0	2.4	6.4	4.8	--	--	1.30	--	--	46.0	6.6	17.0	29.0	2-25-72
34.0917	77.8903	129	110QRAQ	H H HARWARD, NH-381	46.0	1.9	8.0	0.6	152.0	1.6	12.0	13.0	--	--	0.20	0.09	0.1	271.0	7.5	19.5	158.0	10-26-65
34.1256	77.9064	129	110QRAQ	USGS, NH-368	33.0	0.7	--	--	104.0	--	5.0	--	--	--	--	--	--	181.0	7.8	20.5	--	10-21-65
34.3244	77.9942	129	110QRAQ	USGS, NH-51	3.4	0.2	1.8	0.6	11.0	2.4	1.6	5.9	--	--	0.40	--	--	33.0	6.5	19.0	22.0	6-11-65
34.0600	77.9150	129	122MCAQ	USGS, NH-390	17.0	1.8	5.7	0.9	50.0	5.2	10.0	5.2	--	--	2.30	0.05	0.1	129.0	7.2	19.5	73.0	10-21-65
34.1514	77.9017	129	122MCAQ	J A EDWARDS, NH-346	72.0	6.0	--	--	245.0	--	13.0	--	--	--	--	--	--	--	7.9	20.0	--	9-30-65
33.9597	77.9411	129	124CSLH	FT FISHER FERRY, NH-412	60.0	16.0	197.0	18.0	195.0	1.6	360.0	22.0	--	--	0.30	0.05	0.2	1440.0	7.7	20.0	771.0	10-11-65
33.9803	77.9183	129	124CSLH	701ST RADAR SQ, NH-411	69.0	7.1	15.0	1.3	202.0	32.0	26.0	36.0	--	--	0.20	0.10	0.2	437.0	7.5	--	287.0	8- 1-58
33.9803	77.9183	129	124CSLH	701ST RADAR SQ, NH-411	60.0	10.0	38.0	7.4	212.0	3.2	74.0	38.0	--	--	0.40	0.10	0.2	603.0	7.5	20.0	336.0	7- 7-59
33.9803	77.9183	129	124CSLH	701ST RADAR SQ, NH-411	54.0	9.8	13.0	2.5	208.0	1.3	24.0	37.0	--	--	0.80	0.20	0.1	386.0	7.5	20.0	245.0	9- 9-60
33.9803	77.9183	129	124CSLH	701ST RADAR SQ, NH-411	47.0	23.0	87.0	19.0	227.0	7.6	166.0	36.0	--	--	0.10	--	0.2	812.0	7.5	16.5	500.0	1-15-62
33.9803	77.9183	129	124CSLH	701ST RADAR SQ, NH-411	65.0	3.6	15.0	1.8	205.0	4.0	26.0	32.0	--	--	--	--	0.1	419.0	7.6	19.0	249.0	2- 8-63
33.9806	77.9175	129	124CSLH	701ST RADAR SQ, NH-410	42.0	23.0	60.0	19.0	225.0	3.6	119.0	38.0	--	--	0.10	--	0.1	727.0	7.3	21.0	417.0	1-30-56
33.9806	77.9175	129	124CSLH	701ST RADAR SQ, NH-410	45.0	23.0	59.0	19.0	218.0	1.5	135.0	38.0	--	--	0.30	--	0.3	771.0	7.1	22.0	424.0	9-25-56
33.9806	77.9175	129	124CSLH	701ST RADAR SQ, NH-410	45.0	23.0	82.0	18.0	225.0	7.0	138.0	39.0	--	--	0.70	0.10	0.3	868.0	7.4	22.0	474.0	3-17-58
33.9806	77.9175	129	124CSLH	701ST RADAR SQ, NH-410	42.0	25.0	79.0	20.0	225.0	6.8	145.0	42.0	--	--	0.70	--	0.2	802.0	7.4	21.0	473.0	8- 1-58
33.9806	77.9175	129	124CSLH	701ST RADAR SQ, NH-410	45.0	24.0	86.0	21.0	227.0	7.9	165.0	39.0	--	--	1.60	0.10	0.2	900.0	7.4	20.0	503.0	9- 9-60
33.9806	77.9175	129	124CSLH	701ST RADAR SQ, NH-410	64.0	3.6	14.0	2.1	204.0	2.6	25.0	36.0	--	--	0.60	0.20	0.1	365.0	7.5	19.0	249.0	1-15-62
33.9806	77.9175	129	124CSLH	701ST RADAR SQ, NH-410	46.0	24.0	86.0	20.0	223.0	7.6	163.0	34.0	--	--	1.10	--	0.2	938.0	7.7	20.0	493.0	2- 8-63
33.9869	77.9183	129	124CSLH	701ST RADAR SQ, NH-409	30.0	21.0	6.6	17.0	206.0	3.4	19.0	45.0	--	--	0.50	--	0.2	340.0	7.5	18.0	245.0	1-15-62
33.9869	77.9183	129	124CSLH	701ST RADAR SQ, NH-409	30.0	22.0	6.6	17.0	207.0	0.8	20.0	40.0	--	--	--	--	0.2	397.0	7.7	17.0	239.0	2- 7-63
33.9947	77.9097	129	124CSLH	KURE BEACH MUN, NH-407	33.0	21.0	14.0	16.0	221.0	0.4	34.0	45.0	--	--	0.30	--	0.2	419.0	7.6	19.5	273.0	10-22-64
34.0194	77.9058	129	124CSLH	KURE BEACH MUN, NH-405	87.0	13.0	28.0	17.0	354.0	0.8	64.0	43.0	--	--	1.10	--	0.2	675.0	7.8	19.5	428.0	10-22-64
34.0286	77.8953	129	124CSLH	CAROLINA BCH MUN, NH-400	42.0	18.0	16.0	19.0	189.0	0.9	54.0	27.0	--	--	0.20	--	0.2	472.0	7.6	--	271.0	12- 4-58
34.0286	77.8953	129	124CSLH	CAROLINA BCH MUN, NH-400	38.0	25.0	24.0	20.0	247.0	0.2	50.0	29.0	--	--	--	--	0.1	535.0	8.0	--	308.0	11- 9-64
34.0297	77.8992	129	124CSLH	CAROLINA BCH MUN, NH-399	51.0	9.2	12.0	14.0	203.0	0.3	25.0	23.0	--	--	0.80	--	0.1	400.0	8.0	16.5	236.0	12- 4-58
34.0308	77.9031	129	124CSLH	CAROLINA BCH MUN, NH-398	42.0	13.0	13.0	17.0	196.0	1.0	30.0	25.0	--	--	0.30	--	0.1	408.0	7.6	16.5	238.0	12- 4-58
34.0308	77.9031	129	124CSLH	CAROLINA BCH MUN, NH-398	42.0	12.0	14.0	17.0	190.0	1.4	35.0	21.0	--	--	--	--	0.1	422.0	7.8	--	236.0	11-10-64
34.0328	77.9103	129	124CSLH	CAROLINA BCH MUN, NH-397	44.0	12.0	13.0	17.0	199.0	2.6	30.0	25.0	--	--	0.60	--	0.1	408.0	7.8	--	243.0	12- 4-58
34.0328	77.9103	129	124CSLH	CAROLINA BCH MUN, NH-397	39.0	24.0	22.0	18.0	243.0	0.4	47.0	27.0	--	--	0.40	--	0.1	522.0	8.0	--	297.0	11-10-64
34.0331	77.8975	129	124CSLH	CAROLINA BCH MUN, NH-396	45.0	7.8	15.0	14.0	171.0	0.6	36.0	21.0	--	--	0.40	--	0.2	392.0	7.6	--	224.0	12- 4-58
34.0331	77.8975	129	124CSLH	CAROLINA BCH MUN, NH-396	40.0	16.0	17.0	16.0	204.0	0.6	37.0	22.0	--	--	0.10	--	0.1	445.0	-	--	249.0	11- 9-64
34.0361	77.8972	129	124CSLH	CAROLINA BCH MUN, NH-395	47.0	4.9	7.7	11.0	174.0	2.2	16.0	18.0	--	--	0.30	--	0.1	328.0	7.8	19.0	386.0	12- 4-58
34.0611	77.8917	129	124CSLH	R DAILY, NH-388	40.0	16.0	8.7	9.2	208.0	0.6	22.0	38.0	--	--	0.10	0.06	0.3	374.0	7.7	19.5	237.0	10-14-65
34.1206	77.8989	129	124CSLH	R H DINGLER JR, NH-371	35.0	1.8	3.7	--	111.0	0.8	6.9	9.1	--	--	0.20	0.16	0.1	192.0	7.6	--	114.0	10-14-65
34.1319	77.8692	129	124CSLH	HINEBUCKLE, NH-362	46.0	33.0	17.0	19.0	344.0	1.6	21.0	27.0	--	--	0.30	0.10	0.5	552.0	7.7	--	335.0	10-15-65
34.1700	77.8889	129	124CSLH	A L TODD, NH-331	72.0	2.3	5.9	0.4	218.0	8.0	11.0	3.1	--	--	0.30	0.24	0.2	374.0	8.0	19.0	211.0	10-21-65

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
34.1811	77.8433	129	124CSLH	H V REID, NH-317	55.0	22.0	32.0	2.4	237.0	1.0	72.0	30.0	--	--	0.30	0.20	0.1	598.0	7.5	--	332.0	10-14-65
34.1875	77.8944	129	124CSLH	JR, NH-308	49.0	13.0	--	--	214.0	--	8.0	--	--	--	--	--	--	342.0	7.7	--	--	10-15-65
34.1883	77.8103	129	124CSLH	WRIGHTSVILLE MUN, NH-262	66.0	16.0	167.0	10.0	258.0	30.0	256.0	18.0	--	--	1.10	--	0.2	1280.0	8.0	18.0	692.0	12- 4-58
34.1883	77.8103	129	124CSLH	WRIGHTSVILLE MUN, NH-262	56.0	12.0	67.0	8.9	222.0	9.6	109.0	17.0	--	--	0.20	0.20	0.3	671.0	7.6	15.5	389.0	4-21-65
34.1967	77.8036	129	124CSLH	WRIGHTSVILLE MUN, NH-260	51.0	15.0	85.0	9.2	210.0	14.0	140.0	19.0	--	--	0.20	--	0.2	818.0	8.2	18.0	437.0	12- 4-58
34.1967	77.8036	129	124CSLH	WRIGHTSVILLE MUN, NH-260	60.0	19.0	100.0	9.3	223.0	16.0	187.0	17.0	--	--	0.10	--	0.4	980.0	7.8	13.5	519.0	4-20-65
34.2006	77.8642	129	124CSLH	R MEADOWS, NH-275	48.0	2.3	--	--	152.0	--	11.0	--	--	--	--	--	--	261.0	7.6	--	--	10-15-65
34.2019	77.8011	129	124CSLH	WRIGHTSVILLE MUN, NH-259	32.0	25.0	86.0	9.6	204.0	16.0	147.0	17.0	--	--	--	--	0.4	830.0	8.1	15.5	433.0	4-19-65
34.2075	77.7969	129	124CSLH	WRIGHTSVILLE MUN, NH-258	54.0	16.0	95.0	9.8	207.0	17.0	170.0	17.0	--	--	0.10	0.10	0.4	920.0	7.9	18.0	482.0	4-20-65
34.2106	77.9297	129	124CSLH	G LAMICA, NH-287	37.0	--	3.5	0.5	110.0	7.2	7.6	5.6	--	--	0.10	0.22	0.1	195.0	7.6	19.5	117.0	9-30-65
34.2108	77.7933	129	124CSLH	WRIGHTSVILLE MUN, NH-257	69.0	64.0	392.0	22.0	228.0	86.0	800.0	18.0	--	--	0.10	0.10[1]	0.2	3050.0	8.0	18.0	1560.0	4-20-65
34.2133	77.8036	129	124CSLH	WRIGHTSVILLE MUN, NH-253	54.0	12.0	58.0	8.4	226.0	8.2	87.0	18.0	--	--	0.20	--	0.3	590.0	7.9	--	357.0	4-20-65
34.2147	77.7917	129	124CSLH	WRIGHTSVILLE MUN, NH-256	55.0	15.0	75.0	7.1	239.0	13.0	112.0	19.0	--	--	1.60	--	0.2	752.0	7.6	18.0	416.0	12- 4-58
34.2147	77.7917	129	124CSLH	WRIGHTSVILLE MUN, NH-256	20.0	38.0	85.0	8.8	236.0	14.0	136.0	18.0	--	--	0.20	--	0.3	840.0	8.0	18.0	436.0	4-20-65
34.2175	77.7881	129	124CSLH	WRIGHTSVILLE MUN, NH-255	60.0	14.0	57.0	5.7	236.0	7.8	96.0	19.0	--	--	1.80	--	0.1	678.0	7.5	18.0	378.0	12- 4-58
34.2175	77.7881	129	124CSLH	WRIGHTSVILLE MUN, NH-255	60.0	13.0	63.0	6.6	234.0	9.2	107.0	18.0	--	--	0.30	--	0.3	730.0	7.9	18.0	393.0	4-20-65
34.2217	77.8183	129	124CSLH	E MILLER, NH-249	60.0	2.8	8.7	0.6	190.0	1.2	15.0	8.7	--	--	0.30	0.36[1]	0.1	337.0	7.1	--	191.0	10-14-65
34.2703	77.8158	129	124CSLH	CHRISTIAN CH, NH-147	90.0	2.9	--	--	284.0	--	13.0	--	--	--	--	--	--	465.0	7.5	20.0	--	9-27-65
34.2889	77.9092	129	124CSLH	G W TRASK, NH-437	73.0	4.2	--	--	240.0	2.9	12.0	33.0	--	--	0.20	--	0.1	417.0	7.0	--	252.0	5-21-52
34.3181	77.7717	129	124CSLH	J C WELLS, NH-68	101.0	2.9	8.6	1.0	310.0	8.0	16.0	12.0	--	--	0.60	0.10	0.2	511.0	7.5	19.0	297.0	9-24-65
34.3425	77.9025	129	124CSLH	WILM PACKING, NH-23	84.0	8.5	58.0	--	305.0	2.4	84.0	41.0	--	--	0.70	--	0.1	737.0	7.1	--	429.0	5-20-52
36.2800	77.7783	129	124CSLH	W J ROBINSON, NH-155	70.0	4.3	15.0	1.2	184.0	10.0	38.0	10.0	--	--	13.00	0.20	0.2	450.0	7.8	19.0	252.0	9-24-65
34.3153	77.9800	129	200MSIC2	HERCULES, INC, NH-415	233.0	290.0	6550.0	143.0	2080.0	610.0	9540.0	7.4	--	--	0.90	--	0.9	26000.0	7.6	22.0	18400.0	4-26-72
34.3153	77.9800	129	200MSIC2	HERCULES, INC, NH-415	393.0	226.0	6250.0	155.0	245.0	185.0	11200.0	11.0	--	--	--	--	0.7	29500.0	7.4	--	18500.0	6-20-72
34.3153	77.9800	129	200MSIC2	HERCULES, INC, NH-415	329.0	277.0	6650.0	160.0	245.0	225.0	11500.0	11.0	--	--	--	--	0.7	30000.0	7.3	--	19300.0	6-20-72
34.3158	77.9692	129	200MSIC2	HERCULES INC, NH-429	330.0	323.0	7350.0	175.0	228.0	615.0	12200.0	9.8	--	--	0.30	--	0.6	31000.0	7.7	24.0	21100.0	5-18-72
34.3158	77.9692	129	200MSIC2	HERCULES INC, NH-429	369.0	311.0	6750.0	175.0	220.0	255.0	12200.0	10.0	--	--	--	--	0.6	31800.0	7.2	--	20200.0	6-20-72
34.3172	77.9825	129	200MSIC2	HERCULES INC, NH-427	663.0	252.0	5550.0	170.0	2120.0	980.0	8720.0	6.9	--	--	0.90	--	0.8	25300.0	7.2	26.0	17400.0	5- 8-72
34.3172	77.9825	129	200MSIC2	HERCULES INC, NH-427	465.0	206.0	6800.0	160.0	307.0	215.0	11500.0	11.0	--	--	0.90	--	0.8	30500.0	7.0	--	19500.0	6-20-72
34.3172	77.9825	129	200MSIC3	HERCULES INC, NH-427	223.0	186.0	5900.0	145.0	247.0	680.0	9300.0	6.2	--	--	1.30	--	0.6	25000.0	7.8	18.5	16600.0	3- 8-72
34.3153	77.9800	129	200MSIC4	HERCULES, INC, NH-415	111.0	185.0	4430.0	118.0	371.0	760.0	6950.0	8.1	--	--	0.40	--	0.7	19500.0	7.6	19.0	12800.0	3- 5-72
34.3172	77.9825	129	200MSIC4	HERCULES INC, NH-427	148.0	--	4600.0	123.0	337.0	765.0	6990.0	6.2	--	--	--	--	0.8	20000.0	7.9	21.0	13300.0	3- 4-72
34.1106	77.8028	129	200MSIC5	H BOWEN, NH-372	57.0	4.1	7.3	0.7	190.0	1.4	12.0	8.6	--	--	0.20	0.18	0.1	324.0	7.3	19.0	185.0	9-30-65
34.3172	77.9825	129	200MSIC5	HERCULES INC, NH-427	19.0	46.0	2000.0	58.0	587.0	350.0	2780.0	5.7	--	--	0.10	--	1.3	9000.0	8.1	19.0	5560.0	2-25-72
34.3203	77.9778	129	211BKCK	HERCULES INC, NH-424	409.0	272.0	6650.0	325.0	233.0	260.0	11800.0	8.5	--	--	--	--	0.3	32000.0	7.0	20.5	19900.0	11- 3-71
34.3203	77.9778	129	211BKCK	HERCULES INC, NH-424	537.0	195.0	6600.0	330.0	232.0	210.0	12000.0	8.6	--	--	--	--	0.6	32000.0	7.2	20.5	19500.0	11- 3-71
34.3222	77.9700	129	211BKCK	HERCULES INC, NH-425	401.0	277.0	6650.0	320.0	230.0	260.0	11800.0	8.6	--	--	--	--	0.4	32000.0	7.3	21.0	19900.0	11- 3-71
34.3222	77.9700	129	211BKCK	HERCULES INC, NH-425	417.0	270.0	6650.0	320.0	233.0	250.0	11900.0	9.0	--	--	--	--	0.6	32000.0	-	--	20000.0	11- 3-71
34.1506	77.9028	129	211PEED	J A EDWARDS, NH-349	35.0	13.0	25.0	4.8	178.0	2.0	38.0	18.0	--	--	0.20	0.17	0.3	384.0	7.8	19.0	225.0	9-30-65
34.1514	77.9017	129	211PEED	USGS, NH-347	232.0	153.0	5110.0	149.0	346.0	405.0	8310.0	7.4	--	--	1.90	--	1.1	25300.0	7.8	21.0	14600.0	8-30-65
34.1514	77.9017	129	211PEED	USGS, NH-347	81.0	69.0	2000.0	70.0	365.0	545.0	2860.0	9.0	--	--	3.80	0.01	1.5	10500.0	7.8	20.0	5830.0	9- 2-65
34.1525	77.9411	129	211PEED	ALLIED KENNECOTT, NH-343	22.0	4.3	24.0	1.9	82.0	5.9	38.0	12.0	--	--	0.10	--	0.3	267.0	7.4	--	148.0	7-31-57
34.1525	77.9411	129	211PEED	ALLIED KENNECOTT, NH-343	20.0	3.1	22.0	1.8	74.0	6.0	36.0	12.0	--	--	0.20	--	0.2	245.0	7.3	--	137.0	8- 1-57
34.1525	77.9411	129	211PEED	ALLIED KENNECOTT, NH-343	18.0	2.9	22.0	1.7	70.0	7.1	36.0	11.0	--	--	0.30	--	0.2	238.0	7.3	20.0	133.0	8- 2-57
34.1525	77.9411	129	211PEED	ALLIED KENNECOTT, NH-343	17.0	3.6	23.0	1.7	68.0	10.0	37.0	10.0	--	--	0.30	--	0.2	235.0	7.4	20.0	137.0	8- 3-57
34.1525	77.9411	129	211PEED	ALLIED KENNECOTT, NH-343	31.0	12.0	142.0	12.0	147.0	12.0	219.0	12.0	--	--	0.10	0.09[1]	0.4	952.0	8.1	19.5	513.0	10-19-65
34.1836	77.8450	129	211PEED	C R MALOTT, NH-316	50.0	17.0	64.0	6.8	260.0	2.6	90.0	18.0	--	--	0.20	0.05[1]	0.3	658.0	7.7	--	377.0	10-14-65
34.2056	77.9314	129	211PEED	J W DIXON JR, NH-288	28.0	7.1	--	--	131.0	--	9.6	--	--	--	--	--	--	--	7.6	19.5	--	9-29-65
34.2086	77.9033	129	211PEED	R P BROWN, NH-281	47.0	2.6	4.3	0.8	154.0	1.4	7.0	11.0	--	--	0.10	0.05[1]	0.2	260.0	8.1	18.5	151.0	10-20-65
34.2353	77.9456	129	211PEED	PEOPLES SAVINGS, NH-209	52.0	4.6	44.0	4.8	178.0	15.0	58.0	16.0	--	--	0.20	--	0.2	502.0	7.8	--	283.0	6-10-64
34.2406	77.8542	129	211PEED	R NAPIER, NH-177	49.0	12.0	8.6	5.0	210.0	4.0	15.0	20.0	--	--	0.10	--	0.4	361.0	7.9	20.0	214.0	9-24-65
34.2569	77.7786	129	211PEED	H K THOMPSON, NH-167	80.0	14.0	44.0	6.3	322.0	8.8	61.0	23.0	--	--	0.20	0.07[1]	0.4	677.0	7.6	--	396.0	12- 6-65
34.2586	77.8328	129	211PEED	NC HWY PATROL, NH-175	95.0	13.0	--	--	363.0	--	14.0	--	--	--	--	--	--	574.0	7.7	23.0	--	9-24-65
34.2639	77.8972	129	211PEED	ADC DIS COMPLEX, NH-131	35.0	9.1	19.0	2.4	164.0	3.8	27.0	17.0	--	--	0.30	--	0.1	325.0	8.2	--	195.0	5-16-65
34.2731	77.9344	129	211PEED	F TOWNSEND, NH-123	54.0	1.5	--	--	166.0	--	13.0	--	--	--	--	--	--	303.0	7.6	19.0	--	9-28-65
34.2744	77.8992	129	211PEED	S H FEENSTRA, NH-134	81.0	3.6	12.0	1.6	265.0	0.4	18.0	18.0	--	--	0.30	0.10	0.2	452.0	7.5	18.0	265.0	9-23-65
34.2803	77.8803	129	211PEED	E Z LEWIS, NH-139	63.0	5.6	--	--	218.0	--	8.6	--	--	--	--	--	--	358.0	7.9	19.0	--	9- 3-65
34.2817	77.7942	129	211PEED	M MARSHBURN, NH-154	86.0	12.0	32.0	3.8	333.0	1.4	39.0	22.0	--	--	0.30	0.03	0.3	603.0	8.0	19.0	361.0	10-21-65
34.2947	77.8564	129	211PEED	USGS, NH-87	195.0	233.0	5350.0	198.0	406.0	546.0	8780.0	8.8	--	--	0.20	--	0.5	26100.0	7.7	20.0	15600.0	8- 2-65
34.2947	77.8564	129	211PEED	USGS, NH-87	5.9	1.0	6.2	0.5	18.0	7.6	9.9	3.9	--	--	0.40	0.01	--	73.0	6.8	--	45.0	8- 3-65

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
34.2947	77.8564	129	211PEED	USGS, NH-87	6.2	1.0	6.4	0.3	22.0	4.6	10.0	2.7	--	--	0.40	0.06	--	75.0	7.0	--	43.0	8- 3-65
34.2958	77.8564	129	211PEED	J D OLSEN, NH-86	77.0	5.3	13.0	1.6	267.0	0.6	16.0	15.0	--	--	0.30	--	0.2	447.0	7.1	19.0	260.0	9-23-65
34.3197	77.7697	129	211PEED	J F SWAN JR, NH-70	103.0	4.4	11.0	1.3	327.0	2.6	19.0	28.0	--	--	0.40	--	0.2	540.0	7.4	20.0	331.0	9-24-65
34.3239	77.9494	129	211PEED	USGS, NH-50	45.0	1.3	4.2	0.8	129.0	8.4	7.0	12.0	--	--	0.20	0.30	0.2	242.0	7.8	18.5	143.0	9-27-65
34.3317	77.8878	129	211PEED	K E KORNEGAY, NH-38	87.0	3.8	7.8	2.3	282.0	0.4	12.0	26.0	--	--	0.30	--	0.2	456.0	7.4	19.0	279.0	9-23-65
34.3411	77.8711	129	211PEED	R D TARDUGNO, NH-29	83.0	2.1	8.0	1.4	264.0	0.4	11.0	24.0	--	--	0.20	0.16	0.2	427.0	7.8	18.5	261.0	10-21-65
36.2692	77.2758	131	122YRKN	COAL AND ICE CO, HO-101	6.6	5.4	22.0	1.2	37.0	2.4	42.0	38.0	--	--	0.70	0.40	--	210.0	5.9	--	137.0	7-17-64
36.3428	77.2231	131	211CRCS3	WOODLAND MUN, HO-88	1.4	0.7	45.0	6.1	120.0	6.8	2.2	33.0	--	--	0.10	1.90	0.3	225.0	7.1	17.5	157.0	4-27-65
36.3428	77.2231	131	211CRCS3	WOODLAND MUN, HO-88	0.9	1.0	48.0	5.8	121.0	6.9	4.4	17.0	--	--	0.60	2.30	0.3	221.0	7.5	18.0	148.0	7- 9-58
36.3275	77.2147	131	211TSCL2	WOODLAND MUN, HO-87	1.0	0.7	82.0	7.4	218.0	4.5	4.1	3.7	--	--	1.60	1.10	0.4	358.0	7.6	18.0	214.0	7- 9-58
34.6606	77.3339	133	124CSLH	USMC, ON-79	70.0	2.2	7.1	1.6	211.0	19.0	7.0	18.0	--	--	0.10	--	--	391.0	7.2	16.5	229.0	2-23-56
34.6653	77.3350	133	124CSLH	USMC, ON-77	73.0	2.5	8.6	1.4	234.0	7.8	8.9	17.0	--	--	--	0.30	0.1	407.0	7.3	16.5	235.0	2-23-56
34.6914	77.1306	133	124CSLH	SWANSBORO MUN, ON-93	69.0	2.0	10.0	0.9	226.0	2.1	15.0	25.0	--	--	0.10	0.40	0.2	400.0	7.2	19.0	236.0	2-22-56
34.7153	77.3597	133	124CSLH	USMC, ON-60	69.0	2.2	5.5	1.2	222.0	3.6	7.3	19.0	--	--	--	--	0.2	376.0	7.2	18.0	217.0	2-23-56
34.7258	77.4542	133	124CSLH	USMC, ON-36	17.0	8.1	454.0	22.0	524.0	126.0	370.0	42.0	--	--	0.50	--	2.4	--	-	--	1300.0	10-22-41
34.7383	77.3717	133	124CSLH	TARAWA TERRACE, ON-46	64.0	2.0	--	--	200.0	3.1	6.2	16.0	--	--	0.10	--	0.3	345.0	7.1	16.5	195.0	4-30-52
34.7403	77.3792	133	124CSLH	TARAWA TERRACE, ON-45	54.0	1.9	--	--	171.0	2.6	8.2	15.0	--	--	0.20	--	0.2	303.0	6.8	17.0	172.0	4-30-52
34.7408	77.3875	133	124CSLH	TARAWA TERRACE, ON-44	29.0	2.1	--	--	90.0	2.1	8.2	11.0	--	--	3.50	--	--	187.0	6.5	17.5	104.0	4-30-52
34.8994	77.5494	133	211PEED	RICHLANDS MUN, ON-7	2.7	0.6	116.0	7.0	328.3	1.6	4.5	12.0	--	--	0.40	0.60	0.4	530.0	8.5	--	308.0	5-27-59
34.8994	77.5494	133	211PEED	RICHLANDS MUN, ON-7	1.9	1.1	117.0	10.0	331.5	0.8	5.8	13.0	--	--	0.70	0.60	0.1	480.0	8.7	19.5	314.0	10-23-64
34.9250	77.5467	133	211PEED	RICHLANDS MUN, ON-5	7.4	5.5	67.0	15.0	244.1	1.2	4.7	12.0	--	--	0.50	--	--	368.0	8.3	19.5	233.0	10-23-64
35.1333	76.7333	137	110QPLC	STATE OF NC, PA-40	73.0	34.0	20.0	7.5	414.0	1.4	14.0	55.0	--	--	0.80	1.00	0.1	670.0	7.6	--	415.0	8-24-61
35.1417	76.7750	137	110QPLC	J GATLIN, PA-53	71.0	30.0	15.0	4.2	379.0	1.0	13.0	52.0	--	--	--	--	0.3	610.0	7.3	--	375.0	8-24-61
35.1667	76.8500	137	110QPLC	CHRISTIAN CHURCH, PA-26	2.8	2.8	5.4	1.3	18.0	5.8	9.0	6.0	--	--	0.50	--	0.1	77.0	6.6	16.0	46.0	8-24-61
35.8667	76.7500	137	120TRTR7	PLYMOUTH MUN, WS-58	42.0	30.0	210.0	4.9	388.0	29.0	251.0	40.0	--	--	0.20	--	0.7	1400.0	7.5	18.0	800.0	9-27-55
35.8667	76.7500	137	120TRTR7	PLYMOUTH MUN, WS-58	35.0	26.0	220.0	24.0	384.0	23.0	270.0	29.0	--	--	0.10	--	0.6	1400.0	8.2	--	819.0	11- 1-62
35.1417	76.7750	137	124CSLH	TEXACO STATION, PA-55	42.0	51.0	15.0	14.0	410.0	1.8	12.0	59.0	--	--	--	0.10	0.8	645.0	7.8	--	398.0	8-24-61
35.1417	76.7917	137	124CSLH	J HEMPSEY, PA-48	49.0	54.0	8.4	9.1	415.0	1.8	11.0	56.0	--	--	--	--	0.6	633.0	7.6	22.0	394.0	8-24-61
35.1417	76.9250	137	124CSLH	G G BRINSON, PA-75	52.0	12.0	7.0	2.9	224.0	0.6	6.8	78.0	--	--	--	--	0.6	365.0	7.7	--	272.0	8-24-61
35.1750	76.8417	137	124CSLH	W COWELL, PA-27	42.0	32.0	7.4	7.4	295.0	1.2	6.4	61.0	--	--	--	--	0.6	477.0	7.7	--	304.0	8-24-61
35.2417	76.5667	137	124CSLH	HOBUCKEN SCH, PA-10	21.0	34.0	134.0	22.0	532.0	44.0	19.0	54.0	--	--	--	--	0.9	920.0	8.2	18.0	591.0	8-24-61
35.0833	76.8417	137	124CSLHL	ARAPAHOE STAT, PA-106	70.0	31.0	60.0	21.0	320.0	9.6	120.0	7.1	--	--	--	--	--	900.0	7.4	20.0	479.0	5-19-72
35.0833	76.8417	137	124CSLHL	ARAPAHOE STAT, PA-106	70.0	30.0	78.0	19.0	386.0	11.0	114.0	50.0	--	--	--	--	0.6	890.0	7.5	19.5	563.0	9-25-72
35.0833	76.8417	137	124CSLHU	ARAPAHOE STAT, PA-107	52.0	31.0	12.0	16.0	364.0	1.0	6.0	49.0	--	--	--	--	0.6	500.0	7.7	19.0	350.0	3-23-72
35.0833	76.8417	137	211PEED	ARAPAHOE STAT, PA-105	470.0	534.0	5550.0	230.0	52.0	1230.0	10400.0	3.4	--	--	--	--	0.7	25000.0	6.6	19.5	18400.0	9-22-72
35.0833	76.8417	137	211PEED	ARAPAHOE STAT, PA-108	34.0	14.0	8.6	16.0	215.0	2.4	5.4	48.0	--	--	--	--	0.7	330.0	7.5	18.0	235.0	4-20-72
36.1333	76.1500	139	110QPLC	C H ROBERSON, PK-103	12.0	9.5	23.0	2.0	17.0	62.0	27.0	27.0	--	--	--	--	0.1	260.0	6.6	15.0	171.0	5-24-62
36.1861	76.1778	139	110QPLC	M T HARRIS, PK-96	5.0	3.3	7.8	3.6	27.0	7.0	11.0	9.4	--	--	0.70	0.10	--	115.0	6.7	--	61.0	11-17-61
36.2000	76.2444	139	110QPLC	R E STANTON, PK-90	12.0	6.1	34.0	1.2	50.0	32.0	43.0	36.0	--	--	--	--	0.1	293.0	6.4	18.5	189.0	7-29-62
36.2611	76.1722	139	110QPLC	US COAST GUARD, PK-124	4.8	2.9	18.0	1.0	41.0	5.5	17.0	41.0	--	--	2.40	--	--	143.0	6.5	--	113.0	9-18-61
36.3042	76.2708	139	110QPLC	ELIZABETH CITY MUN PK-49	33.0	8.4	16.0	1.4	131.0	38.0	9.6	34.0	--	--	0.30	0.60	0.2	300.0	6.6	--	206.0	7-12-61
36.4375	76.4042	139	110QPLC	R F HEWITT, PK-21	23.0	9.2	41.0	1.2	122.0	13.0	49.0	60.0	--	--	--	--	0.3	401.0	6.4	18.5	257.0	7-25-61
36.4417	76.3778	139	110QPLC	N C FOREST SERV, PK-16	68.0	11.0	16.0	1.6	262.0	1.5	20.0	32.0	--	--	0.10	--	0.3	472.0	7.4	17.0	280.0	11-17-61
36.1389	76.1042	139	122YRKN	W STYLES, PK-110	63.0	57.0	280.0	28.0	437.0	6.0	495.0	46.0	--	--	--	0.20	0.2	2100.0	7.4	24.5	1190.0	5- 8-62
36.1667	76.1069	139	122YRKN	M L MEADS, PK-109	46.0	31.0	138.0	23.0	328.0	2.8	230.0	52.0	--	--	0.10	8.00	0.2	1190.0	7.4	20.5	693.0	2- 7-62
36.1806	76.1722	139	122YRKN	C SANDERS, PK-97	35.0	55.0	329.0	35.0	448.0	2.8	530.0	35.0	--	--	--	0.40	0.1	2350.0	7.5	--	1240.0	7-18-62
36.1944	76.1250	139	122YRKN	BERRY BROS, PK-106	6.4	3.2	17.0	0.9	51.0	14.0	10.0	31.0	--	--	--	--	0.1	140.0	6.6	18.0	108.0	5- 9-60
36.2028	76.2417	139	122YRKN	USGS, PK-T2-62	83.0	142.0	3030.0	111.0	629.0	324.0	4690.0	27.0	--	--	0.10	--	0.7	13900.0	7.3	18.5	8710.0	8- 2-62
36.2028	76.2417	139	122YRKN	USGS, PK-T2-62	35.0	43.0	360.0	40.0	400.0	14.0	535.0	29.0	--	--	0.90	0.10	0.2	2230.0	7.6	19.5	1250.0	8- 1-62
36.2347	76.1486	139	122YRKN	CAND V BROTHERS, PK-118	13.0	6.8	9.6	2.0	90.0	0.2	9.4	43.0	--	--	--	--	0.1	173.0	6.8	20.5	128.0	6- 9-60
36.2444	76.3139	139	122YRKN	T MASTON, PK-71	104.0	40.0	108.0	13.0	601.0	1.8	120.0	46.0	--	--	0.20	1.20	0.1	1200.0	7.2	17.5	730.0	5-17-70
36.2569	76.1653	139	122YRKN	US COAST GUARD, PK-126	79.0	12.0	42.0	--	336.0	4.5	42.0	45.0	--	--	0.10	0.10	0.1	648.0	7.3	--	390.0	9- 1-61
36.2625	76.1750	139	122YRKN	US COAST GUARD, PK-123	12.0	6.9	30.0	3.5	71.0	14.0	47.0	26.0	--	--	0.10	--	0.1	282.0	6.4	--	175.0	6-14-60
36.2694	76.3139	139	122YRKN	L BUNDY, PK-78	40.0	70.0	533.0	40.0	724.0	44.0	665.0	29.0	--	--	0.40	0.10	0.2	3100.0	7.6	17.5	1780.0	7- 1-62
36.2708	76.3403	139	122YRKN	R CHAPPELL JR, PK-77	101.0	43.0	--	--	563.0	0.4	--	--	--	--	--	--	--	1200.0	7.5	--	--	5- 1-62
36.28[illegible]	[illegible].2597	139	122YRKN	R L PARKER, PK-67	61.0	36.0	175.0	17.0	426.0	1.2	244.0	41.0	--	--	--	0.50	--	1410.0	7.4	--	786.0	8- 1-62
36.2931	76.2208	139	122YRKN	E T STAFFORD, PK-60	18.0	59.0	105.0	18.0	385.0	0.5	150.0	48.0	--	--	4.50	--	0.1	1030.0	7.2	--	593.0	4- 3-62
36.3083	76.2236	139	122YRKN	ELIZABETH CITY MUN PK-39	70.0	40.0	206.0	21.0	398.0	12.0	345.0	72.0	--	--	--	0.60	0.1	1600.0	7.4	--	963.0	5- 1-59
36.3083	76.2236	139	122YRKN	ELIZABETH CITY MUN PK-41	66.0	34.0	136.0	20.0	391.0	1.6	215.0	46.0	--	--	3.30	0.70	0.1	1240.0	7.4	18.5	715.0	7- 1-62
36.3114	76.2250	139	122YRKN	ELIZABETH CITY MUN PK175	66.0	47.0	197.0	22.0	469.0	3.3	308.0	53.0	--	--	0.10	--	--	--	-	--	925.0	12-19-32

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
36.3292	76.2278	139	122YRKN	C W RAPER, PK-36	65.0	46.0	271.0	25.0	404.0	8.2	460.0	43.0	--	--	--	--	0.2	2200.0	7.4	26.5	1120.0	6-14-60
36.4208	76.4236	139	122YRKN	B TEMPLE, PK-3	67.0	40.0	252.0	21.0	785.0	1.8	198.0	55.0	--	--	0.40	--	0.2	1650.0	7.2	18.5	1020.0	7-18-61
36.4361	76.4111	139	122YRKN	USGS, PK-T1-62	11.0	14.0	992.0	39.0	1052.0	107.0	887.0	18.0	--	--	0.90	--	2.1	4270.0	7.9	17.0	2590.0	7-24-62
36.4361	76.4111	139	122YRKN	USGS, PK-T1-62	5.2	4.3	675.0	25.0	993.0	116.0	404.0	12.0	--	--	0.90	--	2.3	2890.0	8.1	18.5	1740.0	7-25-62
36.4361	76.4111	139	122YRKN	USGS, PK-T1-62	13.0	5.6	369.0	19.0	324.0	67.0	379.0	4.2	--	--	0.80	--	1.7	1800.0	7.9	19.0	1020.0	7-13-62
36.4361	76.4111	139	122YRKN	USGS, PK-T1-62	11.0	16.0	1000.0	38.0	1043.0	128.0	896.0	11.0	--	--	1.00	--	2.2	4310.0	8.0	17.0	2620.0	7-19-62
36.4458	76.4139	139	125BFRT	C C BRIGHT, PK-14	7.9	9.0	872.0	28.0	1130.0	111.0	697.0	13.0	--	--	--	0.10	2.6	472.0	7.4	21.5	2300.0	11-17-61
36.4458	76.4333	139	125BFRT	P B WEEKS, PK-11	4.0	2.5	525.0	16.0	845.0	95.0	321.0	20.0	--	--	--	0.20	2.4	2390.0	8.1	18.5	1400.0	11-16-61
36.3153	76.2139	139	211CRCS3	FORMAN LMBR CO, PK-38	49.0	78.0	2400.0	88.0	757.0	284.0	3290.0	35.0	--	--	2.40	--	0.7	10900.0	7.3	--	6600.0	5- 1-62
34.5439	77.9347	141	211PEED	BURGAW MUN, PE-31	16.0	6.2	136.0	12.0	439.2	0.8	7.6	11.0	--	--	0.30	--	1.5	679.0	8.3	18.5	408.0	3-29-66
34.6022	78.1886	141	211PEED	G HARRISON, PE-26	54.0	11.0	--	--	221.0	2.3	4.5	27.0	--	--	0.10	--	0.2	350.0	7.4	18.5	213.0	6-11-53
36.1028	76.2389	143	110QPLC	J A WHITE, PR-63	32.0	7.9	19.0	1.4	152.0	2.2	18.0	42.0	--	--	0.20	0.10	0.1	290.0	7.4	16.5	198.0	8-29-62
36.1097	76.2653	143	110QPLC	JONES, PR-62	9.3	9.0	20.0	3.6	59.0	16.0	24.0	9.0	--	--	3.30	--	0.1	230.0	6.6	--	123.0	4- 3-62
36.1681	76.3153	143	110QPLC	W DAIL, PR-52	63.0	15.0	21.0	5.0	278.0	1.2	24.0	53.0	--	--	0.50	0.40	0.1	490.0	7.2	16.5	320.0	8- 6-62
36.1708	76.3514	143	110QPLC	POWELL, PR-53	22.0	73.0	147.0	3.0	450.0	53.0	188.0	37.0	--	--	--	0.40	1.6	1270.0	8.0	14.0	747.0	5-18-62
36.1736	76.4611	143	110QPLC	F LONG, PR-33	11.0	8.5	13.0	2.5	24.0	50.0	15.0	10.0	--	--	0.70	--	--	215.0	5.9	--	123.0	4- 3-62
36.1750	76.2931	143	110QPLC	G WEBB, PR-56	60.0	8.9	172.0	5.0	68.0	70.0	298.0	30.0	--	--	6.20	--	--	1250.0	6.2	--	684.0	11-21-61
36.2875	76.5611	143	110QPLC	C CHAPPELL, PR-3	15.0	8.8	13.0	10.0	20.0	62.0	35.0	4.8	--	--	--	--	--	322.0	5.9	--	158.0	4- 3-62
36.0961	76.3381	143	122YRKN	US DEFENSE BASE, NC-33	22.0	3.5	11.0	1.2	81.0	9.4	11.0	24.0	--	--	2.90	--	--	188.0	6.7	--	125.0	1-16-59
36.1056	76.5375	143	122YRKN	H B WARREN, PR-28	106.0	12.0	22.0	2.1	414.0	2.4	9.0	62.0	--	--	0.30	0.10	0.2	630.0	7.3	--	420.0	8-28-62
36.1208	76.5014	143	122YRKN	J W BYRUM, PR-30	101.0	13.0	18.0	2.9	400.0	1.4	8.5	64.0	--	--	0.40	0.10	0.3	600.0	7.2	18.5	407.0	8-27-62
36.1444	76.3764	143	122YRKN	T MCDANIEL, PR-55	89.0	16.0	32.0	4.4	341.0	2.4	58.0	53.0	--	--	0.20	0.10	0.1	685.0	7.1	18.0	423.0	8-29-60
36.1694	76.3514	143	122YRKN	H H CADDY, PR-58	114.0	15.0	25.0	4.8	410.0	0.2	42.0	43.0	--	--	--	--	0.1	740.0	6.9	--	446.0	8-30-62
36.1792	76.4722	143	122YRKN	Y L BROWN, PR-18	76.0	4.3	12.0	1.0	257.0	2.6	13.0	33.0	--	--	0.20	--	0.1	421.0	7.3	18.0	269.0	8-29-62
36.1833	76.4806	143	122YRKN	HERTFORD MUN, PR-19	69.0	74.0	1620.0	65.0	544.0	380.0	2310.0	38.0	--	--	--	--	1.2	7480.0	7.4	--	4830.0	8-14-58
36.1833	76.4806	143	122YRKN	HERTFORD MUN, PR-19	34.0	3.8	15.0	1.5	139.0	3.6	14.0	36.0	--	--	--	0.10	0.2	253.0	8.3	--	177.0	8-14-58
36.1833	76.4806	143	122YRKN	HERTFORD MUN, PR-19	66.0	4.1	13.0	1.2	215.0	3.6	20.0	30.0	--	--	--	0.50	0.1	400.0	7.3	16.5	249.0	9- 1-58
36.1833	76.4806	143	122YRKN	HERTFORD MUN, PR-19	27.0	43.0	1700.0	60.0	528.0	239.0	2470.0	17.0	--	--	--	--	2.0	7600.0	7.6	--	4830.0	8-13-58
36.2222	76.4708	143	122YRKN	PERQ U CO SCH, PR-15	73.0	21.0	69.0	11.0	412.0	1.8	49.0	53.0	--	--	0.50	0.60	0.1	820.0	7.5	--	482.0	8-31-62
36.2847	76.5625	143	122YRKN	C CHAPPELL, PR-6	22.0	7.8	6.8	2.6	120.0	0.5	2.2	44.0	--	--	2.80	--	--	208.0	7.3	--	148.0	4- 3-62
36.3167	76.4889	143	122YRKN	A WHITE, PR-10	60.0	7.3	12.0	1.9	230.0	1.6	11.0	46.0	--	--	0.20	0.20	0.1	377.0	7.5	19.0	254.0	8-31-62
36.1889	76.5722	143	125BFRT	T R HARRELL, PR-22	24.0	23.0	628.0	35.0	317.0	24.0	979.0	16.0	--	--	0.10	--	1.8	3540.0	7.9	19.5	1890.0	8-28-62
36.2764	76.5500	143	125BFRT	J C MONDS, PR-8	32.0	32.0	792.0	41.0	567.0	110.0	1050.0	34.0	--	--	--	--	0.6	4220.0	7.7	19.0	2370.0	8-30-62
36.2847	76.5625	143	125BFRT	C CHAPPELL, PR-4	12.0	13.0	860.0	40.0	670.0	49.0	984.0	--	--	--	3.10	--	2.8	4250.0	7.7	18.0	--	1- 4-62
36.3361	76.4722	143	125BFRT	N RIDDICK, PR-11	34.0	16.0	1360.0	60.0	831.0	190.0	1540.0	18.0	--	--	4.20	--	1.5	6000.0	7.8	--	3630.0	5-18-62
35.3769	77.4272	147	*	GRIFTON MUN, PI-375	35.0	4.9	24.0	6.5	189.0	3.5	5.5	20.0	--	--	0.10	--	0.3	315.0	8.1	--	189.0	6-14-54
35.3769	77.4272	147	*	GRIFTON MUN, PI-375	39.0	7.0	18.0	5.0	193.0	2.4	4.3	20.0	--	--	0.10	--	0.3	318.0	7.7	17.5	192.0	9-30-59
35.6767	77.6378	147	122YRKN	FOUNTAIN MUN, PI-42	2.9	0.8	2.4	2.2	8.0	5.0	4.5	20.0	--	--	2.70	--	--	42.0	6.0	16.5	44.0	10-28-60
35.4400	77.4553	147	200MSZC4	J W RAWLS, PI-454	0.4	0.4	118.0	6.4	234.0	15.0	32.0	13.0	--	--	0.50	--	2.0	503.0	8.1	--	303.0	2-17-55
35.6339	77.4850	147	200MSZC4	US VOA SITE C, PI-199	22.0	5.3	13.0	7.6	120.0	0.2	4.6	34.0	--	--	--	0.90	0.6	202.0	7.1	--	152.0	11-22-63
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	1.9	0.3	68.0	5.0	166.1	2.2	12.0	11.0	--	--	0.20	1.90	0.5	322.0	8.4	--	186.0	7- 1-62
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	0.6	0.2	69.0	4.2	156.0	4.4	12.0	11.0	60.0	--	0.40	2.20	0.5	278.0	7.8	17.0	182.0	10- 8-64
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	2.6	0.7	127.0	6.0	263.3	7.8	48.0	8.2	--	--	0.50	2.00	2.3	598.0	8.6	--	336.0	7- 1-62
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	2.2	0.1	112.0	6.0	231.0	14.0	30.0	10.0	--	--	0.30	2.50	1.9	496.0	8.2	--	295.0	7- 1-62
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	1.3	0.4	67.0	4.0	171.2	1.6	12.0	11.0	--	--	0.30	1.90	0.4	300.0	8.6	--	185.0	7- 1-62
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	0.6	0.1	68.0	4.5	157.0	6.0	11.0	11.0	--	--	--	--	0.3	290.0	8.0	--	181.0	2- 5-64
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	0.5	0.3	64.0	3.8	156.0	4.6	11.0	11.0	--	--	0.30	2.00	0.6	295.0	8.1	--	176.0	8-29-62
35.3767	77.4350	147	211BKCK	GRIFTON MUN, PI-371	2.6	0.1	68.0	5.0	169.2	0.2	12.0	11.0	--	--	0.30	1.80	0.5	320.0	8.5	--	186.0	7- 1-62
35.5256	77.4011	147	211BKCK	WINTERVILLE NO 1, PI-262	69.0	2.9	--	--	227.0	2.4	9.2	31.0	--	--	0.10	--	0.1	371.0	7.2	--	--	7-11-49
35.5311	77.4028	147	211BKCK	USCS, PI-261	1.2	0.4	80.0	5.7	200.1	7.0	10.0	12.0	--	--	0.20	1.40	1.6	363.0	8.4	19.0	218.0	7-29-65
35.5311	77.4028	147	211BKCK	USCS, PI-261	2.0	0.7	124.0	6.1	247.6	26.0	34.0	16.0	--	--	0.20	2.00	3.2	551.0	8.6	--	335.0	7-25-65
35.5311	77.4028	147	211BKCK	USCS, PI-261	0.8	0.2	89.0	4.6	205.0	10.0	15.0	15.0	--	--	0.30	1.40	2.8	373.0	8.2	19.0	240.0	7-27-65
35.5450	77.5133	147	211BKCK	M PRICE, PI-240	27.0	6.4	31.0	7.5	193.0	1.6	1.0	20.0	--	--	--	0.10	0.4	298.0	8.1	--	191.0	1- 2-64
35.5450	77.5133	147	211BKCK	M PRICE, PI-240	44.0	22.0	13.0	7.5	250.0	2.6	6.0	28.0	--	--	--	--	0.3	384.0	7.6	16.0	248.0	2- 7-64
35.5500	77.4083	147	211BKCK	INDUS TR SCHOOL, PI-258	3.6	2.1	132.0	14.0	367.0	4.4	3.4	12.0	--	--	0.10	6.30	1.3	588.0	7.9	--	360.0	5-13-63
35.6339	77.4850	147	211BKCK	US VOA SITE C, PI-198	20.0	2.8	5.7	2.6	77.0	2.2	4.0	36.0	--	--	--	1.30	0.7	142.0	6.9	--	115.0	11-22-63
35.8047	77.3800	147	211BKCK	BETHEL MUN, PI-23	2.4	2.4	210.0	18.0	320.0	62.0	105.0	10.0	--	--	--	0.60	1.4	950.0	7.6	--	569.0	1-31-64
35.8106	77.3783	147	211BKCK	BETHEL NO 3, PI-22	1.5	2.1	177.0	18.0	314.0	40.0	72.0	23.0	--	--	--	0.70	1.5	--	-	16.0	490.0	10- 9-64
35.4669	77.4228	147	211CRCS4	AYDEN MUN, PI-349	0.9	--	104.0	4.7	226.2	11.0	18.0	10.0	--	--	0.80	1.40	1.1	430.0	8.6	--	263.0	4- 3-63
35.6022	77.3878	147	211CRCS4	PEPSI-COLA, PI-184	2.3	0.7	86.0	6.0	224.0	6.7	8.3	19.0	--	--	--	--	1.3	366.0	8.0	--	240.0	2-27-56

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.3728	77.4350	147	211PEED	GRIFTON MUN, PI-373	1.0	0.2	65.0	4.2	154.0	4.4	12.0	11.0	--	--	1.00	1.80	0.5	282.0	7.8	--	177.0	10- 8-64
35.3728	77.4350	147	211PEED	GRIFTON MUN, PI-373	40.0	6.5	17.0	4.4	190.0	2.6	4.6	20.0	--	--	0.10	--	0.2	313.0	7.8	--	190.0	9-30-59
35.5278	77.3694	147	211PEED	UNKNOWN, PI-267	51.0	7.2	12.0	8.4	215.0	0.4	5.2	38.0	--	--	2.70	--	--	340.0	7.8	--	231.0	10-28-63
35.5617	77.1922	147	211PEED	GRIMESLAND MUN, PI-298	13.0	5.4	94.0	22.0	300.0	8.4	9.4	17.0	--	--	0.10	--	2.1	498.0	7.7	--	319.0	11- 7-63
35.5617	77.1922	147	211PEED	GRIMESLAND MUN, PI-298	13.0	5.4	94.0	22.0	300.0	8.4	9.4	17.0	--	--	0.10	--	2.1	498.0	7.7	--	320.0	9-20-63
35.5617	77.1922	147	211PEED	GRIMESLAND MUN, PI-298	12.0	6.6	90.0	12.0	308.0	5.4	7.5	14.0	--	--	0.40	--	1.9	497.0	7.9	--	303.0	8-31-62
35.5725	77.1725	147	211PEED	UNKNOWN, PI-301	15.0	8.9	89.0	22.0	308.7	5.0	11.0	16.0	--	--	2.80	--	1.5	522.0	8.5	--	323.0	9-20-63
35.5794	77.2167	147	211PEED	G POWERS, PI-294	46.0	9.6	14.0	11.0	219.0	0.4	4.8	27.0	--	--	0.10	--	0.4	348.0	7.7	--	221.0	12-20-63
35.5850	77.3956	147	211PEED	C H EDWARDS JR, PI-185	40.0	3.4	5.5	2.0	140.0	7.2	4.2	26.0	--	--	--	--	0.3	230.0	8.1	16.5	159.0	1-23-64
35.5961	77.3222	147	211PEED	L HARDEE, PI-171	36.0	5.1	15.0	6.3	166.0	4.8	5.4	24.0	--	--	2.70	--	--	273.0	7.7	16.5	181.0	10-28-63
35.4756	77.4150	147	211TSCL*	AYDEN NO 2, PI-342	21.0	2.2	5.2	1.4	66.0	8.5	7.1	14.0	--	--	--	0.30	0.3	157.0	6.7	17.0	94.0	9-30-59
35.4756	77.4150	147	211TSCL*	AYDEN NO 2, PI-342	40.0	2.6	--	--	142.0	5.2	3.4	18.0	--	--	--	--	0.1	--	7.6	--	--	2- 9-48
35.5228	77.4011	147	211TSCL*	WINTERVILLE NO 2, PI-263	73.0	1.7	--	--	213.0	8.9	17.0	28.0	--	--	0.20	--	0.1	387.0	7.3	--	--	7-11-49
35.5911	77.3503	147	211TSCL*	GREENVILLE MUN, PI-176	1.6	0.1	100.0	1.1	223.0	13.0	18.0	17.0	--	--	--	--	2.2	410.0	8.0	--	263.0	11-11-65
35.6128	77.6025	147	211TSCL*	FARMVILLE MUN, PI-220	1.2	0.8	142.0	8.5	227.0	27.0	72.0	6.1	110.0	--	1.20	0.70	1.0	642.0	7.5	--	373.0	9-28-56
35.6128	77.6025	147	211TSCL*	FARMVILLE MUN, PI-220	2.5	1.8	94.0	9.0	204.0	16.0	36.0	17.0	--	--	0.10	0.80	0.5	--	7.6	18.0	278.0	5-21-62
35.6128	77.6025	147	211TSCL*	FARMVILLE MUN, PI-220	1.8	2.1	90.0	7.5	205.0	13.0	30.0	16.0	--	--	0.20	0.80	0.5	450.0	7.6	16.5	264.0	6-29-59
35.6128	77.6025	147	211TSCL*	FARMVILLE MUN, PI-220	2.0	1.8	98.0	10.0	207.0	16.0	33.0	17.0	--	--	0.30	0.90	0.6	463.0	7.8	16.5	282.0	8- 6-64
35.6128	77.6025	147	211TSCL*	FARMVILLE MUN, PI-220	1.8	2.5	62.0	8.5	182.0	1.6	1.0	17.0	--	--	--	--	0.4	303.0	7.6	16.5	184.0	9- 3-64
35.6717	77.6461	147	211TSCL*	FOUNTAIN NO 2, PI-40	6.6	3.3	41.0	7.8	131.0	5.6	5.0	27.0	--	--	--	1.10	0.2	242.0	7.2	17.0	162.0	10- 9-64
35.6717	77.6461	147	211TSCL*	FOUNTAIN NO 2, PI-40	7.2	3.2	38.0	7.8	137.0	5.4	4.4	28.0	--	--	--	1.10	0.2	230.0	7.5	--	163.0	2- 1-64
35.8000	77.3667	147	211TSCL*	BETHEL MUN, PI-409	1.6	1.8	174.0	11.0	312.0	25.0	67.0	24.0	--	--	0.10	0.80	1.5	820.0	8.3	16.5	460.0	3- 1-64
35.8000	77.3667	147	211TSCL*	BETHEL MUN, PI-409	3.0	2.6	163.0	12.0	312.0	36.0	66.0	23.0	--	--	0.20	0.50	1.6	812.0	8.2	--	462.0	1-25-64
35.8000	77.3667	147	211TSCL*	BETHEL MUN, PI-409	5.0	2.9	160.0	9.0	300.0	36.0	49.0	20.0	--	--	0.60	--	--	715.0	8.2	--	430.0	1-23-64
35.4717	77.4217	147	211TSCL3	AYDEN MUN, PI-347	8.8	1.2	78.0	4.0	216.0	7.8	15.0	14.0	--	--	--	1.00	0.9	405.0	8.1	23.0	238.0	9-30-59
35.4717	77.4217	147	211TSCL3	AYDEN MUN, PI-347	9.1	0.9	85.0	5.0	219.0	7.1	15.0	16.0	10.0	--	0.40	--	0.9	406.0	7.9	--	247.0	5- 3-59
35.5883	77.5942	147	211TSCL3	FARMVILLE MUN, PI-217	6.2	5.5	57.0	10.0	184.0	4.8	4.4	16.0	--	--	--	0.70	0.2	315.0	7.3	--	195.0	6-30-64
35.5883	77.5942	147	211TSCL3	FARMVILLE MUN, PI-217	2.2	4.7	52.0	9.0	162.0	3.4	4.6	18.0	--	--	0.10	--	0.2	270.0	7.5	17.5	174.0	3-31-66
35.5883	77.5942	147	211TSCL3	FARMVILLE MUN, PI-217	11.0	8.0	51.0	10.0	214.0	2.4	4.5	15.0	--	--	0.10	0.60	0.3	348.0	7.7	16.5	209.0	9- 3-64
35.5906	77.5967	147	211TSCL3	C O CO, PI-221	5.1	3.7	44.0	7.6	146.0	3.8	4.8	18.0	--	--	0.10	--	0.2	242.0	7.6	17.5	159.0	3-31-66
35.5906	77.5967	147	211TSCL3	C O CO, PI-221	3.8	3.4	44.0	8.5	145.0	4.4	4.4	18.0	--	--	0.30	1.10	0.2	241.0	7.5	16.5	159.0	8- 6-64
35.5906	77.5967	147	211TSCL3	C O CO, PI-221	2.4	4.3	45.0	8.0	146.0	3.4	2.0	18.0	--	--	0.40	1.30	0.4	252.0	7.5	17.0	158.0	9- 3-64
35.5914	77.5797	147	211TSCL3	FARMVILLE MUN, PI-215	4.4	3.3	68.0	9.5	211.0	2.6	4.7	15.0	--	--	0.20	0.70	0.3	340.0	7.8	16.5	213.0	9- 3-64
35.5914	77.5797	147	211TSCL3	FARMVILLE MUN, PI-215	18.0	8.8	76.0	10.0	282.0	2.8	4.0	13.0	--	--	0.20	0.10	0.3	461.0	7.5	16.0	273.0	6-30-64
35.5914	77.5797	147	211TSCL3	FARMVILLE MUN, PI-215	4.0	2.0	69.0	7.4	198.0	3.6	5.4	16.0	--	--	0.20	--	0.4	326.0	8.0	18.0	206.0	3-31-66
35.5950	77.5944	147	211TSCL3	FARMVILLE MUN, PI-218	2.7	2.4	68.0	7.8	187.1	5.2	4.6	18.0	--	--	--	--	0.2	306.0	8.3	--	201.0	6- 1-63
35.5950	77.5944	147	211TSCL3	FARMVILLE MUN, PI-218	3.1	1.6	64.0	8.0	184.0	3.4	4.2	17.0	--	--	0.20	0.90	0.3	312.0	7.6	17.5	194.0	5-21-62
35.5950	77.5944	147	211TSCL3	FARMVILLE MUN, PI-218	1.6	2.3	69.0	6.5	184.0	8.0	5.2	17.0	--	--	0.10	0.80	0.3	338.0	7.7	--	201.0	3-24-64
35.5950	77.5944	147	211TSCL3	FARMVILLE MUN, PI-218	1.8	2.5	62.0	8.5	182.0	3.2	4.7	17.0	--	--	0.40	0.90	0.4	303.0	7.6	16.5	191.0	9- 3-64
35.5950	77.5944	147	211TSCL3	FARMVILLE MUN, PI-218	2.9	1.7	72.0	8.2	186.0	12.0	7.6	15.0	--	--	0.10	--	0.5	329.0	7.4	18.0	212.0	3-31-66
35.5950	77.5944	147	211TSCL3	FARMVILLE MUN, PI-218	1.6	2.5	62.0	7.0	187.0	2.5	6.0	17.0	--	--	0.20	1.00	0.2	308.0	7.5	16.5	194.0	6-29-59
35.5950	77.5944	147	211TSCL3	FARMVILLE MUN, PI-218	1.9	2.9	61.0	9.0	181.0	5.8	4.6	17.0	--	--	--	0.90	0.3	298.0	7.6	16.5	193.0	8- 6-64
35.6078	77.5961	147	211TSCL3	FARMVILLE NO 3, PI-219	1.6	1.5	121.0	6.8	225.0	21.0	57.0	15.0	--	--	0.10	0.70	0.9	598.0	7.8	16.5	337.0	6-29-59
35.6078	77.5961	147	211TSCL3	FARMVILLE NO 3, PI-219	4.0	2.0	147.0	9.8	247.0	32.0	88.0	16.0	--	--	0.10	0.50	1.0	747.0	7.7	18.0	424.0	5-21-62
35.6078	77.5961	147	211TSCL3	FARMVILLE NO 3, PI-219	2.2	2.3	126.0	10.0	225.0	26.0	67.0	17.0	--	--	0.10	--	0.8	608.0	7.9	17.0	362.0	3-31-66
35.6078	77.5961	147	211TSCL3	FARMVILLE NO 3, PI-219	2.0	0.2	153.0	10.0	238.0	30.0	85.0	16.0	50.0	--	1.00	0.50	1.0	698.0	7.5	--	416.0	9-28-56
35.6717	77.6461	147	211TSCL3	FOUNTAIN NO 2, PI-40	3.4	2.4	48.0	8.7	151.1	3.1	7.5	31.0	--	--	--	1.50	--	249.0	8.4	16.5	180.0	5- 1-60
35.6767	77.6378	147	211TSCL3	FOUNTAIN MUN, PI-42	26.0	6.3	48.0	4.6	139.0	4.5	55.0	25.0	--	--	--	0.70	--	417.0	7.1	15.5	238.0	5-23-58
35.6767	77.6378	147	211TSCL3	FOUNTAIN MUN, PI-42	6.6	3.6	43.0	7.9	146.0	3.2	5.5	18.0	--	--	1.00	0.40	3.0	220.0	7.5	17.0	161.0	10- 9-64
35.6767	77.6378	147	211TSCL3	FOUNTAIN MUN, PI-42	9.8	3.3	41.0	7.5	150.0	2.2	6.0	18.0	--	--	--	0.20	0.2	243.0	7.4	--	169.0	2- 1-64
35.6767	77.6378	147	211TSCL3	FOUNTAIN MUN, PI-42	27.0	6.3	47.0	5.2	142.0	4.8	56.0	25.0	--	--	--	0.40	--	397.0	7.9	--	242.0	5- 1-60
35.6767	77.6378	147	211TSCL3	FOUNTAIN MUN, PI-42	2.9	0.8	2.4	2.2	8.0	5.0	4.5	20.0	--	--	2.70	0.20	--	42.0	6.0	16.5	46.0	10-28-63
35.5228	77.4011	147	211TSCL4	WINTERVILLE NO 2, PI-263	--	0.2	97.0	0.2	225.0	6.2	18.0	32.0	300.0	--	0.10	0.70	--	408.0	7.4	17.0	267.0	11-20-56
35.5228	77.4011	147	211TSCL4	WINTERVILLE NO 2, PI-263	1.3	0.1	98.0	0.5	220.0	7.7	21.0	30.0	--	--	0.10	0.50	0.2	422.0	7.5	--	269.0	9-30-59
35.5256	77.4011	147	211TSCL4	WINTERVILLE MUN, PI-264	0.5	0.1	88.0	5.0	227.0	5.6	6.0	13.0	--	--	--	--	1.0	360.0	8.3	--	231.0	1- 3-62
35.5256	77.4011	147	211TSCL4	WINTERVILLE MUN, PI-264	0.4	0.4	95.0	6.0	237.0	6.4	5.0	12.0	--	--	--	1.00	0.9	383.0	8.2	--	244.0	2- 5-64
35.5256	77.4011	147	211TSCL4	WINTERVILLE MUN, PI-264	0.8	0.2	96.0	6.1	238.0	4.4	6.2	12.0	--	--	--	0.90	0.9	380.0	8.0	--	245.0	10- 8-64
35.4397	77.3592	147	211TSCL6	UNKNOWN, PI-337	34.0	12.0	12.0	8.9	181.0	1.6	5.8	20.0	--	--	2.20	--	0.1	298.0	7.4	17.0	186.0	9-30-63
35.4400	77.3589	147	211TSCL5	UNKNOWN, PI-336	32.0	12.0	13.0	8.5	186.0	0.8	5.3	20.0	--	--	2.50	--	0.1	292.0	7.8	16.5	185.0	10-30-63
35.6717	77.6461	147	211TSCL9	FOUNTAIN NO 2, PI-40	19.0	6.1	20.0	5.4	132.0	2.1	9.0	19.0	--	--	--	0.20	0.1	224.0	7.5	--	146.0	5- 1-60

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.6031	77.3772	147	217CRAQ*	GREENVILLE MUN, PI-183	2.4	0.5	90.0	7.5	236.0	5.5	12.0	18.0	--	--	0.30	1.50	1.5	416.0	8.1	18.0	256.0	7- 8-56
35.6031	77.3772	147	217CRAQL	GREENVILLE MUN, PI-183	3.0	3.3	595.0	18.0	735.4	217.0	320.0	10.0	30.0	--	0.40	0.30	1.6	2447.0	8.4	19.5	154.0	7- 2-56
34.5039	79.1064	155	211BKCK	FAIRMONT MUN, RB-73	0.7	0.2	36.0	3.9	100.0	3.2	2.8	28.0	--	--	0.10	0.10	0.3	159.0	7.5	19.0	124.0	5-22-62
34.5039	79.1064	155	211BKCK	FAIRMONT MUN, RB-76	2.0	1.7	26.0	4.2	83.0	2.5	2.8	32.0	--	--	--	--	0.2	144.0	6.8	--	113.0	5- 4-55
34.6053	78.9825	155	211BKCF	FARMERS COOP EX, RB-61	21.0	1.8	26.0	2.6	137.0	1.6	3.0	23.0	--	--	0.20	0.63	0.4	206.0	7.8	--	147.0	2- 1-71
34.6053	78.9825	155	211BKCK	FARMERS COOP EX, RB-61	47.0	1.6	--	--	154.0	3.0	5.0	16.0	--	--	0.10	--	0.1	255.0	8.2	--	155.0	8- 2-49
34.6278	79.0178	155	211BKCK	LUMBERTON MUN, RB-56	40.0	0.7	3.0	0.7	123.0	2.8	2.7	14.0	--	--	0.20	0.37	--	202.0	7.5	--	124.0	2-12-69
34.6356	79.0361	155	211BKCK	JENNINGS MILLS, RB-54	9.9	0.9	13.0	1.9	61.0	4.5	3.0	18.0	--	--	0.30	0.20	0.1	111.0	-	--	82.0	1-11-58
34.6819	79.1861	155	211BKCK	PEMBROKE MUN, RB-26	1.2	0.5	2.8	1.9	9.0	3.6	2.8	12.0	--	--	--	--	--	30.7	5.6	--	29.0	5- 4-55
34.6819	79.1861	155	211BKCK	PEMBROKE MUN, RB-26	0.8	0.5	2.7	1.5	10.0	--	3.7	15.0	--	--	0.30	--	--	327.0	6.8	17.5	30.0	12- 5-58
34.6819	79.1861	155	211BKCK	PEMBROKE MUN, RB-27	4.4	0.3	2.6	1.2	19.0	1.3	3.2	16.0	--	--	0.30	0.10	--	43.8	6.4	--	38.0	12- 5-58
34.6819	79.1861	155	211BKCK	PEMBROKE MUN, RB-27	6.9	0.2	2.5	1.6	24.0	0.8	3.4	15.0	--	--	0.10	0.10	0.1	51.0	6.9	18.0	43.0	10- 1-64
34.6819	79.1861	155	211BKCK	PEMBROKE MUN, RB-27	6.4	0.3	2.6	1.3	26.0	1.7	2.8	16.0	--	--	0.10	--	--	57.9	6.4	--	44.0	7- 8-55
34.7436	79.3431	155	211BKCK	MAXTON MUN, RB-31	1.2	0.5	3.1	0.4	1.0	4.0	4.0	4.7	--	--	2.80	--	--	40.8	4.7	--	21.0	5- 5-55
34.8064	78.9842	155	211BKCK	ST PAULS MUN, RB-17	1.7	0.7	4.8	1.2	--	7.1	8.0	11.0	--	--	0.20	--	--	55.0	4.5	20.5	35.0	5-15-58
34.6278	79.0178	155	211CRCS3	LUMBERTON MUN, RB-55	32.0	2.7	18.0	2.4	154.0	2.2	4.6	19.0	--	--	--	0.10	0.3	253.0	7.6	15.5	158.0	5- 3-62
34.6278	79.0178	155	211CRCS3	LUMBERTON MUN, RB-55	36.0	1.5	18.0	2.1	156.0	2.2	4.3	18.0	--	--	0.10	0.12	0.1	255.0	7.3	--	160.0	2-12-69
34.6278	79.0178	155	211CRCS3	LUMBERTON MUN, RB-55	15.0	1.1	34.0	3.3	143.0	2.0	3.0	26.0	--	--	--	0.30	0.4	231.0	7.5	18.0[1]	156.0	10- 5-60
34.6278	79.0178	155	211CRCS3	LUMBERTON MUN, RB-55	33.0	1.9	20.0	2.7	153.0	2.0	4.2	18.0	--	--	0.50	0.20	--	252.0	7.4	19.0	164.0	11-13-61
34.5392	79.2839	155	211CRCS4	ROWLAND MUN, RB-39	6.8	1.2	4.8	1.6	31.0	4.5	2.8	7.9	--	--	--	--	0.1	71.3	6.4	--	45.0	5- 4-55
34.8036	78.9733	155	211CRCS4	ST PAULS MUN, RB-18	1.7	0.7	4.8	1.2	--	7.1	8.0	11.0	--	--	0.20	--	--	55.0	4.5	20.5	35.0	5-15-58
34.8192	79.1836	155	211TSCL3	RED SPRINGS MUN, RB-5	2.2	0.1	5.4	0.8	--	7.9	8.6	8.8	--	--	--	--	0.1	76.0	4.5	--	34.0	11- 4-57
34.8192	79.1836	155	211TSCL3	RED SPRINGS MUN, RB-5	1.2	1.2	4.8	0.7	4.0	7.1	7.2	7.9	--	--	0.30	--	--	53.4	5.7	--	32.0	5- 5-55
34.8192	79.1836	155	211TSCL3	RED SPRINGS MUN, RB-5	1.1	0.1	3.4	0.4	--	4.2	5.4	9.8	--	--	0.20	--	--	41.0	4.6	18.0	25.0	6-10-63
34.8192	79.1836	155	211TSCL3	RED SPRINGS MUN, RB-6	0.8	1.0	6.5	1.6	--	9.6	8.5	8.7	--	--	2.50	--	--	76.7	4.5	--	39.0	5- 4-55
34.8192	79.1836	155	211TSCL3	RED SPRINGS MUN, RB-6	1.0	0.1	2.2	0.4	1.0	3.1	4.2	10.0	--	--	--	--	0.1	34.8	4.7	--	24.0	10- 4-57
34.8192	79.1836	155	211TSCL3	RED SPRINGS MUN, RB-6	2.2	0.6	6.9	1.3	--	13.0	8.9	9.9	--	--	--	--	--	98.0	4.0	18.5	43.0	6-10-63
34.9747	78.3069	163	*	CLINTON MUN, SA-103	16.0	5.3	10.0	5.5	95.0	5.2	4.8	29.0	--	--	0.10	--	0.2	177.0	7.9	18.5	123.0	3-29-66
34.9747	78.3069	163	*	CLINTON MUN, SA-103	17.0	5.0	10.0	--	97.0	6.2	4.6	27.0	--	--	0.20	1.94	0.2	174.0	7.4	20.0	126.0	10-20-65
35.0542	78.5842	163	100CZMZU	J W REAVES, SA-28	0.7	0.3	4.0	1.5	7.0	3.0	4.5	13.0	--	--	--	--	--	28.0	6.4	20.0	30.0	8- 6-58
35.1694	78.2192	163	100CZMZU	PINEY GROVE SCH, SA-16	38.0	1.2	2.2	0.8	110.0	7.7	4.5	35.0	--	--	0.60	--	0.1	200.0	7.1	23.0	144.0	9-16-58
35.0069	78.1886	163	110QPLC	E E SEAY, SA-60	38.0	1.5	2.7	0.4	74.0	30.0	12.0	9.4	--	--	--	0.20	0.2	220.0	7.4	20.0	130.0	9-19-58
35.2508	78.5600	163	110QPLC	PLAINVIEW SCH, SA-1	1.2	0.5	3.0	0.3	4.0	0.2	4.7	6.7	--	--	5.10	--	0.1	30.2	5.5	24.5	24.0	9-10-58
35.2483	78.3625	163	124CSLH	WM AND MARY MOTEL, SA-6	55.0	5.7	2.8	1.5	186.0	6.9	3.3	23.0	--	--	0.30	0.20	0.2	307.0	7.4	20.0	191.0	12-30-58
34.7128	78.1536	163	200MSZC5	D W WELLS, SA-77	47.0	2.4	4.2	2.4	163.0	3.1	4.0	23.0	--	--	--	0.10	0.1	260.0	7.2	23.0	166.0	9-18-58
34.7417	78.3169	163	200MSZC5	CLEAR RUN SCH, SA-74	1.2	1.2	2.1	0.8	5.0	2.8	3.5	7.1	--	--	1.10	--	0.2	30.0	5.4	23.0	22.0	9-18-58
34.5903	78.2378	163	211BKCK	IVANHOE MUN, SA-87	26.0	12.0	55.0	12.0	302.0	0.9	5.5	10.0	--	--	0.20	0.10	0.2	440.0	8.2	18.5	272.0	8- 6-58
34.5906	78.2250	163	211BKCK	P L BROWN, SA-88	0.2	0.1	104.0	0.1	279.0	0.5	3.0	20.0	--	--	0.20	0.20	0.2	402.0	7.6	17.5	266.0	12-18-58
34.6981	78.2128	163	211BKCK	I DEVANE, SA-82	55.0	1.9	2.7	1.0	178.0	0.2	4.5	17.0	--	--	0.10	0.10	0.3	288.0	7.1	24.0	171.0	9-17-58
34.7894	78.4147	163	211BKCK	L NANCE, SA-71	3.6	2.4	1.8	2.1	27.0	2.1	2.5	16.0	--	--	0.10	--	0.1	58.8	6.5	21.0	44.0	12-30-58
34.8083	78.2306	163	211BKCK	H MERRITT, SA-70	5.7	1.2	2.0	0.5	22.0	0.6	3.0	7.6	--	--	0.10	0.50	0.1	50.0	6.2	19.0	33.0	12-30-58
34.8519	78.2486	163	211BKCK	NC PARK SERVICE, SA-69	18.0	4.9	23.0	6.9	134.0	5.9	7.5	10.0	--	--	0.10	0.20	0.1	232.0	8.0	17.5	143.0	8- 6-58
34.8564	78.3436	163	211BKCK	I K CARTER, SA-65	2.0	1.2	1.8	2.7	16.0	2.7	2.6	18.0	--	--	--	0.10	--	36.2	6.0	--	39.0	9- 3-58
34.9553	78.5486	163	211BKCK	K LUCAS, SA-36	0.8	0.6	29.0	3.5	77.0	3.4	3.0	33.0	--	--	0.50	4.60	1.0	138.0	7.8	14.5	119.0	10-17-58
34.9750	78.2153	163	211BKCK	UNKNOWN, SA-62	2.1	0.9	2.0	3.0	6.0	7.3	4.0	23.0	--	--	--	0.20	0.1	105.0	6.1	17.0	46.0	8- 4-58
35.0306	78.2111	163	211BKCK	BEULAH CH, SA-59	39.0	2.4	2.9	1.6	125.0	6.0	3.0	15.0	--	--	0.20	0.10	0.2	210.0	7.7	15.5	140.0[1]	12-15-58
35.0983	78.3972	163	211BKCK	E C INDIAN SCH,-SA-22	0.8	1.5	158.0	10.0	343.0	13.0	53.0	18.0	--	--	0.30	0.20	1.0	703.0	8.2	21.0	426.0	12-30-58
35.1786	78.3317	163	211BKCK	HOBBTON SCH, SA-11	10.0	3.4	52.0	6.6	178.0	1.6	12.0	20.0	--	--	0.30	0.90	0.4	310.0	7.1	23.5	196.0	9-17-58
35.1792	78.4144	163	211BKCK	E K BASS, SA-5	1.2	0.5	42.0	4.1	101.0	0.5	3.8	64.0	--	--	0.20	10.00	0.4	197.0	6.8	21.0	176.0	12-30-58
35.1897	78.2042	163	211BKCK	H C MURPHY, SA-14	22.0	5.0	5.9	2.8	102.0	0.1	3.7	35.0	--	--	0.40	0.90	0.2	178.0	7.6	20.0	126.0	12-30-58
35.2036	78.2383	163	211BKCK	W B SUTTON, SA-13	5.5	1.6	8.6	1.5	16.0	2.5	19.0	17.0	--	--	0.40	--	--	88.0	6.4	23.5	64.0	9-17-58
35.2289	78.3175	163	211BKCK	I KING, SA-9	3.5	1.7	14.0	4.0	45.0	4.4	2.5	84.0	--	--	--	7.50	0.4	175.0	6.6	19.0	145.0	9- 3-58
35.2625	78.3403	163	211BKCK	CATHOLIC CH, SA-8	3.2	1.7	7.4	3.3	31.0	0.6	4.0	40.0	--	--	--	2.10	0.2	137.0	6.4	21.0	78.0	8- 4-58
35.2625	78.3403	163	211BKCK	CATHOLIC CH, SA-8	2.4	1.0	11.0	2.9	33.0	4.3	3.0	36.0	--	--	2.50	0.70	0.2	80.3	7.1	--	81.0	9-26-56
35.7347	78.2028	163	211BKCK	P WARD. SA-75	34.0	3.9	4.4	2.4	140.0	0.7	4.0	25.0	--	--	0.10	0.50	0.1	216.0	7.1	18.0	--	9-18-58
34.9958	78.3033	163	211CRCS*	CLINTON MUN, SA-101	17.0	5.1	16.0	8.1	119.0	3.1	6.1	30.0	--	--	0.30	1.50	0.2	228.0	7.2	--	147.0	1- 8-60
34.9958	78.3033	163	211CRCS*	CLINTON MUN, SA-101	17.0	5.3	13.0	8.1	115.0	4.0	5.4	25.0	--	--	--	1.30	0.1	207.0	7.5	--	136.0	5-23-62
34.9958	78.3033	163	211CRCS*	CLINTON MUN, SA-101	17.0	4.8	12.0	6.4	104.0	6.2	6.4	27.0	--	--	0.10	--	0.2	194.0	7.7	16.5	131.0	3-29-66
35.0028	78.3356	163	211CRCS*	CLINTON MUN, SA-52	14.0	3.9	13.0	6.6	86.0	9.1	7.2	23.0	--	--	0.20	--	0.1	186.0	7.8	--	119.0	5-27-55
34.9494	78.5097	163	211CRCS2	ROSEBORO MUN, SA-39	4.6	3.2	245.0	15.0	424.4	45.0	146.0	8.3	--	--	0.20	0.40	0.4	1250.0	8.6	--	678.0	4-15-58

Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.0028	78.3356	163	211CRCS2	CLINTON MUN, SA-52	17.0	3.7	5.6	3.2	66.0	5.5	7.3	35.0	--	--	0.30	3.00	0.2	141.0	6.9	--	113.0	5-29-58
35.0028	78.3356	163	211CRCS2	CLINTON MUN, SA-52	2.8	3.0	8.7	3.0	--	29.0	15.0	16.0	--	--	0.40	--	0.1	133.0	4.3	17.0	84.0	4-14-58
34.7856	78.3969	163	211CRCS3	GARLAND MUN, SA-73	9.1	2.9	16.0	4.4	74.0	1.0	5.1	33.0	--	--	0.50	3.40	0.2	145.0	7.3	--	118.0	5-27-58
34.9956	78.3264	163	211CRCS3	CLINTON MUN, SA-54	16.0	3.5	5.8	3.4	58.0	8.5	7.5	36.0	--	--	0.20	3.00	0.2	139.0	6.9	19.5	113.0	5-27-58
35.0057	78.3131	163	211TSCL*	CLINTON MUN, SA-100	12.0	11.0	31.0	8.5	174.0	4.2	7.5	14.0	--	--	--	0.20	0.1	302.0	8.2	15.5	175.0	3-28-59
35.0067	78.3131	163	211TSCL*	CLINTON MUN, SA-100	13.0	10.0	31.0	16.0	172.0	4.6	11.0	12.0	--	--	0.10	--	0.1	314.0	7.8	19.0	183.0	5-23-62
35.0067	78.3131	163	211TSCL*	CLINTON MUN, SA-100	14.0	8.5	27.0	13.0	145.0	6.4	10.0	15.0	--	--	0.20	--	0.2	285.0	7.6	18.5	166.0	3-29-66
34.9881	78.3153	163	217CRAQ*	CLINTON MUN, SA-102	14.0	9.5	22.0	4.9	145.0	5.6	7.7	16.0	--	--	0.20	0.60	0.2	260.0	7.6	19.0	152.0	5-23-62
34.9881	78.3153	163	217CRAQ*	CLINTON MUN, SA-102	14.0	8.3	19.0	10.0	109.0	6.4	19.0	21.0	--	--	0.10	--	0.4	245.0	8.0	17.5	152.0	3-29-66
34.7839	79.4417	165	211CRCS3	LAURINBURG MUN, SC-18	1.3	0.3	3.6	0.6	4.0	7.0	3.7	8.7	--	--	0.50	--	0.1	39.0	5.3	15.0	28.0	5- 3-62
34.7839	79.4417	165	211CRCS3	LAURINBURG MUN, SC-18	1.3	0.4	3.6	0.8	1.0	8.0	4.7	9.6	--	--	0.40	--	0.1	40.0	5.0	17.5	29.0	11-30-65
34.7839	79.4417	165	211CRCS3	LAURINBURG MUN, SC-18	1.3	0.4	3.2	0.6	3.0	4.2	3.7	8.5	--	--	--	--	0.1	35.0	5.2	15.0	23.0	2-21-61
34.7664	79.3669	165	211CRCS4	AIR BASE, SC-28	17.0	1.0	--	--	50.0	5.1	4.0	8.8	--	--	0.60	--	--	108.0	6.9	--	64.0	3-24-50
34.8686	79.3861	165	211CRCS4	PRISON CAMP, SC-7	2.4	0.1	3.4	1.2	14.0	1.2	2.0	9.9	--	--	0.30	0.10	0.1	34.9	6.4	--	28.0	4- 1-59
34.8914	79.3603	165	211CRCS4	WAGRAM MUN, SC-5	2.6	1.9	--	--	1.0	0.5	10.0	3.2	--	--	29.00	--	--	101.0	4.7	--	--	12-15-48
34.8914	79.3603	165	211CRCS4	WAGRAM MUN, SC-6	3.0	2.1	--	--	1.0	0.6	12.0	4.7	--	--	31.00	--	--	111.0	4.7[1]	--	--	12-15-48
34.7664	79.3761	165	211TSCL4	AIR BASE, S C-30	0.8	0.2	6.5	0.6	6.0	5.8	4.0	6.3	--	--	3.10	--	--	43.5	6.7	--	30.0	5-26-55
35.7736	79.6139	165	211TSCL4	GIBSON MUN, SC-31	0.8	0.2	6.5	0.6	6.0	5.8	4.0	6.3	--	--	3.10	--	--	43.5	6.7	--	30.0	5-26-55
35.7417	76.1583	177	100CZMZU	J T LIVERMAN, TY-73	77.0	26.0	28.0	19.0	461.0	1.0	19.0	44.0	--	--	1.30	0.30	--	735.0	7.5	--	443.0	9- 1-62
35.9208	76.2458	177	122YRKN	COLUMBIA HIGH SCH, TY-16	57.0	29.0	66.0	8.4	308.0	23.0	113.0	45.0	--	--	--	--	--	812.0	7.3	--	493.0	9- 1-62
35.9500	76.2792	177	122YRKN	J HOPKINS, TY-22	69.0	3.3	16.0	1.9	231.0	1.0	18.0	53.0	--	--	--	0.30	--	408.0	7.5	--	277.0	9- 1-62
35.7283	76.5211	187	100CZMZU	PUNGO NATIONAL WILDLIFE	2.8	1.0	8.0	1.8	1.2	19.0	10.0	21.0	650.0	--	--	--	0.1	120.0	3.4	17.0	65.0	10-12-77
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	8.1	1.3	5.7	0.7	29.0	9.0	6.3	78.0	--	--	--	--	0.5	100.0	6.4	17.0	133.0	6- 1-76
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	8.5	1.6	5.8	0.9	28.0	13.0	7.2	78.0	--	--	--	--	0.2	110.0	6.2	16.0	139.0	8-30-77
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	8.3	1.5	5.7	0.9	26.0	11.0	7.0	77.0	--	--	--	--	0.2	109.0	5.4	16.0	136.0	5- 3-77
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	8.2	1.5	5.7	0.8	31.0	12.0	6.7	76.0	--	--	--	--	0.1	94.0	5.8	15.5	140.0	7-27-77
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	9.5	1.7	6.1	0.9	37.0	9.3	6.6	77.0	--	--	--	--	0.2	112.0	5.0	16.5	142.0	1- 3-78
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	3.8	2.3	4.4	0.7	--	14.0	6.8	12.0	290.0	--	--	--	0.1	89.0	3.8	13.0	--	3-22-77
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	3.1	2.0	8.0	2.1	--	18.0	10.0	13.0	210.0	--	--	--	0.1	90.0	3.6	--	--	3- 3-77
35.7297	76.5258	187	100CZMZU	PUNGO NATIONAL WILDLIFE	2.0	1.3	4.0	0.7	--	13.0	6.7	13.0	590.0	--	--	--	0.1	83.0	3.7	17.0	--	5- 3-77
35.8667	76.6000	187	122MOCN8	ROPER MUN, WS-44	17.0	15.0	202.0	24.0	584.0	23.0	50.0	30.0	--	--	1.00	0.04	1.3	1090.0	7.9	--	650.0	1-23-64
35.8667	76.6000	187	122MOCN8	ROPER MUN, WS-44	18.0	14.0	206.0	24.0	560.0	1.0	67.0	32.0	--	--	0.40	2.60	1.4	1080.0	7.6	--	642.0	6-30-65
35.9167	76.4625	187	122YRKN	NC PRISON DEPT, WS-31	74.0	24.0	58.0	19.0	458.0	2.4	38.0	--	--	--	0.60	0.10	0.1	760.0	8.1	19.5	496.0	8-20-63
35.9208	76.5917	187	122YRKN	T TARKENTON, WS-17	71.0	23.0	54.0	18.0	413.0	0.8	41.0	48.0	--	--	0.50	0.10	--	740.0	7.5	22.0	460.0	8-20-63
35.7333	76.7500	187	124CSLH	J W ALLEN, WS-82	66.0	30.0	19.0	14.0	396.0	0.6	7.8	50.0	--	--	0.30	--	0.5	615.0	7.7	21.0	384.0	8-20-63
35.8500	76.7458	187	124CSLH	PLYMOUTH MUN, WS-62	35.0	45.0	101.0	22.0	322.2	12.0	169.0	36.0	--	--	0.20	--	0.6	1050.0	8.5	--	581.0	11- 1-62
35.8500	76.7458	187	124CSLH	PLYMOUTH MUN, WS-62	32.0	39.0	66.0	8.7	375.0	2.8	66.0	36.0	--	--	0.30	--	0.8	758.0	7.4	18.0	438.0	9-27-55
35.8667	76.3917	187	124CSLH	CRESWELL MUN, WS-27	40.0	50.0	555.0	50.0	604.0	64.0	758.0	40.0	--	--	0.40	--	0.9	3400.0	8.1	--	1850.0	8-20-63
35.9208	76.5375	187	124CSLH	C FURLOUGH, WS-13	20.0	24.0	320.0	30.0	606.0	33.0	234.0	34.0	--	--	0.50	0.10	1.1	1750.0	8.2	22.5	997.0	9- 1-63
35.2322	77.8994	191	110QPLC	Z A PRICE, WA-110	3.2	2.9	2.2	0.5	20.0	2.4	4.8	4.7	--	--	2.20	--	0.1	59.8	6.7	24.0	33.0	8- 4-50
35.5300	77.9363	191	122YRKN	J A DAVIS, WA-9	5.6	1.9	2.9	1.9	16.0	7.1	6.0	13.0	--	--	0.10	0.10	0.1	62.5	6.6	10.0	48.0	12-16-58
35.5586	77.9411	191	122YRKN	I DEES, WA-8	3.2	3.2	90.0	13.0	264.5	9.9	5.0	7.1	--	--	0.80	0.10	0.2	422.0	8.6	19.5	263.0	8- 4-58
35.3350	77.9694	191	200MSZC3	USAF, WA-57	14.0	4.4	3.7	2.3	6.0	50.0	3.0	16.0	--	--	1.60	--	--	159.0	5.5	18.0	102.0	10- 9-57
35.4744	78.0917	191	200MSZC3	C S BUNN, WA-14	28.0	7.8	29.0	4.7	171.0	19.0	10.0	19.0	--	--	0.10	0.50	0.3	328.0	8.2	15.0	203.0	12-16-58
35.1842	77.8758	191	211BKCK	L L HERRING, WA-118	38.0	1.7	2.6	2.7	111.0	12.0	3.0	16.0	--	--	0.10	0.10	0.1	202.0	7.3	14.5	130.0	12-17-58
35.2086	78.0569	191	211BKCK	MT OLIVE PICKLE, WA-101	6.7	0.5	28.0	2.1	46.0	37.0	5.0	42.0	--	--	0.20	4.40	0.2	159.0	6.5	19.5	151.0	5-28-59
35.2086	78.0569	191	211BKCK	MT OLIVE PICKLE, WA-101	8.3	1.5	13.0	2.1	50.0	3.3	4.4	41.0	--	--	0.20	0.42	0.1	119.0	7.6	--	105.0	5-28-59
35.2167	78.1525	191	211BKCK	H J HOOD, WA-90	10.0	2.6	6.1	2.8	59.0	0.8	3.8	44.0	--	--	0.30	1.60	0.2	103.0	6.9	20.0	102.0	9-23-58
35.2281	78.1992	191	211BKCK	F L ODOM, WA-89	6.9	2.4	6.5	3.2	40.0	3.7	4.0	42.0	--	--	0.30	1.00	0.3	92.8	6.5	15.0	90.0	12-17-58
35.2392	78.0667	191	211BKCK	J SMITH, WA-91	17.0	1.9	2.2	1.7	55.0	4.3	4.0	26.0	--	--	0.20	0.40	0.2	122.0	6.8	17.5	85.0	8- 5-58
35.2458	77.9536	191	211BKCK	DIAMOND POULTRY, WA-104	2.2	1.6	2.4	2.0	17.0	3.8	2.0	21.0	--	--	--	--	0.1	48.6	6.1	14.0	43.0	12-17-58
35.2486	78.0464	191	211BKCK	C SMITH, WA-92	2.2	0.7	1.8	1.5	14.0	0.3	2.0	11.0	--	--	0.20	0.10	0.1	34.2	6.0	11.0	27.0	12-17-58
35.2989	78.1728	191	211BKCK	L A WARRICK, WA-73	8.4	1.9	4.0	3.2	36.0	2.8	3.0	32.0	--	--	0.10	4.10	0.2	80.2	6.5	17.0	78.0	12-17-58
35.3125	78.1414	191	211BKCK	A D BRITT, WA-71	3.2	0.7	2.9	1.8	2.0	15.0	3.5	12.0	--	--	0.40	--	--	50.9	5.1	19.0	41.0	9-24-58
35.3153	78.0647	191	211BKCK	R E JINNETTE, WA-70	7.9	1.3	2.1	1.9	24.0	8.5	2.0	22.0	--	--	0.10	3.40	0.6	70.2	6.4	15.5	63.0	12-16-58
35.3214	77.9989	191	211BKCK	B MITCHELL, WA-80	38.0	7.1	2.7	8.9	153.0	7.8	4.6	41.0	--	--	0.40	--	0.1	257.0	7.1	19.5	186.0	9-23-58
35.3350	77.9694	191	211BKCK	USAF, WA-61	4.8	1.9	5.6	1.2	11.0	15.0	9.0	18.0	--	--	1.20	0.50	0.2	43.9	5.6	--	63.0	7-17-57
35.3422	77.8983	191	211BKCK	T B POWELL, WA-63	4.2	1.1	4.7	2.8	28.0	0.5	4.5	25.0	--	--	0.10	1.30	0.2	55.8	7.1	16.5	59.0	12-16-58
35.5358	78.8714	191	211BKCK	EUREKA SCHOOL, WA-12	--	--	3.9	2.6	--	--	7.0	17.0	--	--	--	--	--	87.0	-	--	--	3- 1-63
35.5358	78.8714	191	211BKCK	EUREKA SCHOOL, WA-12	11.0	4.3	101.0	5.1	253.0	16.0	34.0	13.0	--	--	0.40	0.10	0.2	489.0	8.3	18.5	311.0	9-23-58

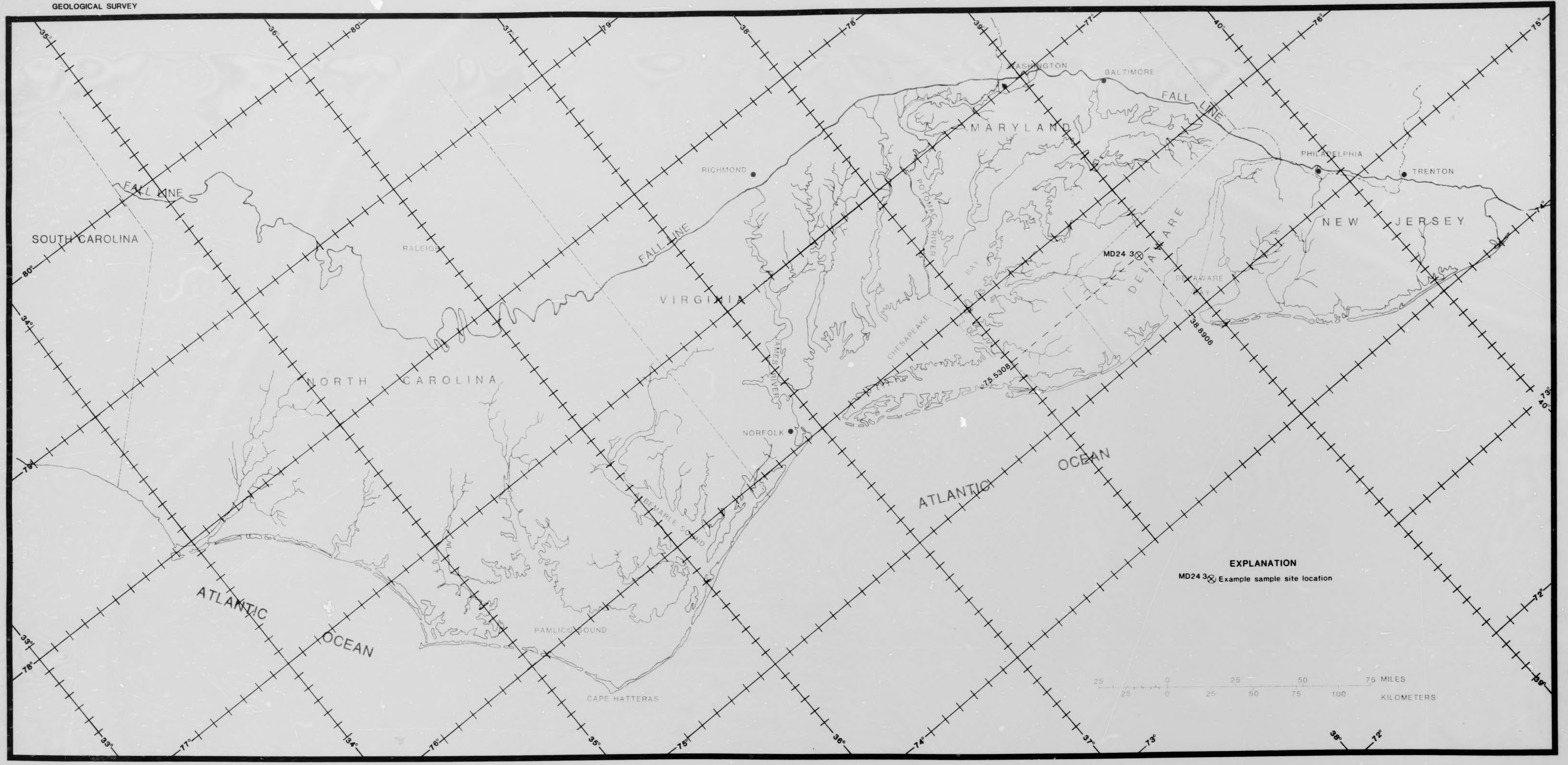
Table 9.--Chemical analyses of selected ground-water samples from the Coastal Plain of North Carolina--Continued.

Latitude	Longitude	County	Geologic unit code	Local well identifier	Calcium	Magnesium	Sodium	Potassium	Bicarbonate	Sulfate	Chloride	Silica	Iron	Aluminum	Nitrate	Phosphate	Fluoride	Specific conductance	pH	Temperature	Dissolved solids	Collection date
35.2036	78.0639	191	211CRCS3	MOUNT OLIVE MUN, WA-99	9.1	0.7	3.8	2.2	37.0	2.0	2.8	18.0	--	--	0.10	0.10	--	72.0	6.8	16.5	57.0	11- 2-62
35.2036	78.0639	191	211CRCS3	MOUNT OLIVE MUN, WA-99	6.9	0.8	3.5	1.8	29.0	1.0	5.0	29.0	--	--	0.10	0.10	--	62.1	6.2	17.5	62.0	5-26-59
35.2036	78.0639	191	211CRCS3	MOUNT OLIVE MUN, WA-99	11.0	0.7	2.7	1.9	36.0	3.6	4.9	23.0	--	--	0.10	--	0.1	83.0	6.5	17.5	66.0	3-30-66
35.3350	77.9694	191	211CRCS3	USAF, WA-55	8.8	1.9	8.4	2.8	36.0	16.0	5.0	22.0	--	--	0.10	--	--	117.0	6.1	--	83.0	12-31-47
35.3350	77.9694	191	211CRCS3	USAF, WA-56	11.0	2.9	9.4	3.0	45.0	17.0	7.5	22.0	--	--	0.50	0.30	0.2	140.0	6.1	--	96.0	7-17-57
35.3350	77.9694	191	211TSCL3	USAF, NC-25	4.6	1.3	--	6.6	--	23.0	4.3	9.4	--	--	0.50	--	--	--	4.6	--	--	11-28-47
35.3350	77.9694	191	211TSCL3	USAF, NC-25	9.1	1.9	7.5	3.0	36.0	12.0	7.0	22.0	--	--	1.30	0.60	0.2	120.0	6.5	17.5	83.0	9-26-61
35.3350	77.9694	191	211TSCL3	USAF, NC-25	8.3	2.0	7.0	3.0	30.0	14.0	7.5	17.0	--	--	0.30	0.20	0.2	105.0	6.7	18.5	75.0	9-20-62
35.3350	77.9694	191	211TSCL3	USAF, WA-51	28.0	6.9	8.6	3.4	13.0	96.0	7.9	25.0	--	--	0.40	--	--	280.0	5.6	20.0	182.0	9- 3-59
35.3350	77.9694	191	211TSCL3	USAF, WA-52	11.0	4.3	3.5	5.0	--	35.0	10.0	9.1	--	--	0.90	--	--	162.0	4.3	20.0	88.0	9- 3-59
35.3350	77.9694	191	211TSCL3	USAF, WA-52	15.0	3.6	2.6	4.5	--	50.0	10.0	8.7	--	--	7.10	0.10	0.1	195.0	4.0	16.5	102.0	9-26-61
35.3350	77.9694	191	211TSCL3	USAF, WA-54	4.3	1.3	5.6	1.8	14.0	12.0	5.0	15.0	--	--	0.10	--	--	70.7	5.7	--	52.0	1-24-56
35.3350	77.9694	191	211TSCL3	USAF, WA-54	5.2	1.2	7.2	1.9	25.0	6.3	7.5	23.0	--	--	0.90	0.30	0.1	85.0	5.9	--	66.0	7-17-57
35.3350	77.9694	191	211TSCL3	USAF, WA-54	5.9	1.0	7.2	2.2	25.0	9.0	6.5	20.0	--	--	0.90	0.40	--	99.0	6.2	15.5	65.0	9-26-61
35.3350	77.9694	191	211TSCL3	USAF, WA-54	5.5	1.8	7.5	2.3	23.0	13.0	7.0	17.0	--	--	0.20	0.20	0.2	85.0	7.3	17.5	66.0	9-20-62
35.3397	77.9842	191	211TSCL3	USAF, WA-50	39.0	9.2	92.0	11.0	148.0	65.0	114.0	11.0	--	--	0.50	0.10	0.2	692.0	7.8	16.5	416.0	8-30-58
35.3397	77.9842	191	211TSCL3	USAF, WA-50	11.0	3.5	10.0	4.0	3.0	53.0	10.0	20.0	--	--	0.50	0.10	0.1	182.0	4.9	15.5	114.0	9-26-61
35.3397	77.9842	191	211TSCL3	USAF, WA-50	13.0	2.6	25.0	5.0	77.0	--	24.0	--	--	--	--	--	--	212.0	7.3	--	--	9-29-58
35.3511	77.9744	191	211TSCL3	USAF, WA-49	24.0	7.2	57.0	11.0	197.0	42.0	24.0	11.0	--	--	0.10	--	0.2	428.0	8.4	16.5	274.0	8-29-58
35.3633	78.0064	191	211TSCL3	ESSO STATION 974, WA-36	22.0	9.0	10.0	5.0	129.0	4.0	6.0	8.0	--	--	0.50	--	0.1	217.0	7.1	12.0	129.0	12-17-58
35.1950	78.0706	191	211TSCL4	MOUNT OLIVE, WA-97	10.0	1.1	2.7	2.4	36.0	3.6	3.7	18.0	--	--	0.10	0.10	0.2	75.0	6.8	18.0	60.0	11- 2-62
35.1950	78.0706	191	211TSCL4	MOUNT OLIVE, WA-97	8.2	0.9	2.2	2.1	27.0	5.2	4.0	20.0	--	--	0.10	--	0.3	69.0	6.4	18.0	56.0	3-30-66
35.1950	78.0706	191	211TSCL4	MOUNT OLIVE, WA-97	12.0	0.7	5.0	1.9	39.0	3.0	5.0	34.0	--	--	0.20	2.70	0.3	86.8	6.6	--	84.0	5-26-59
35.2011	78.0742	191	211TSCL4	MOUNT OLIVE MUN, WA-96	8.0	1.2	5.6	1.8	30.0	3.8	4.5	35.0	--	--	0.10	4.60	0.6	74.8	6.2	--	80.0	5-26-59
35.2011	78.0742	191	211TSCL4	MOUNT OLIVE MUN, WA-96	7.5	0.7	5.8	2.2	27.0	5.2	3.0	34.0	--	--	0.10	4.20	0.6	72.0	6.7	18.0	76.0	11- 2-62
35.2011	78.0742	191	211TSCL4	MOUNT OLIVE MUN, WA-96	7.2	0.7	5.2	2.0	28.0	4.8	3.8	36.0	--	--	0.10	--	0.6	75.0	6.5	18.0	74.0	3-30-66
35.3861	77.9167	191	211TSCL4	P R BEST, WA-47	6.0	1.0	3.5	1.9	16.0	7.2	2.8	13.0	--	--	0.20	3.50	0.4	59.0	6.3	10.0	48.0	12-17-58
35.4236	77.9789	191	211TSCL4	A M SHERARD, WA-28	27.0	1.7	4.3	1.5	88.0	2.5	3.5	25.0	--	--	0.10	4.10	0.4	168.0	6.9	11.0	114.0	12-16-58
35.4236	78.0583	191	211TSCL4	MOZINGOS GRO, WA-20	64.0	9.2	16.0	3.4	260.0	16.0	4.0	10.0	--	--	0.20	1.50	0.2	420.0	8.1	16.0	253.0	9-24-58
35.4967	78.0831	191	211TSCL4	M X JONES, WA-13	15.0	1.4	6.3	2.4	75.0	0.2	2.5	30.0	--	--	0.10	--	0.2	127.0	7.3	14.0	95.0	12-16-58
35.6042	77.8297	195	211TSCL3	STANTONSBURG MUN, WL-150	18.0	7.5	37.0	8.6	172.0	7.6	13.0	26.0	--	--	0.90	0.60	0.1	375.0	7.1	--	205.0	8-22-58
35.6056	77.8200	195	211TSCL3	STANTONSBURG MUN, WL-340	23.0	8.8	28.0	8.8	175.0	6.0	10.0	28.0	--	--	0.40	0.50	0.1	367.0	7.2	15.5	200.0	8-22-58
35.6378	77.7756	195	211TSCL3	SARATOGA MUN, WL-338	22.0	6.7	22.0	7.7	148.0	6.8	5.6	29.0	--	--	0.10	1.00	0.3	278.0	7.2	--	174.0	4-27-64

[1] Unreasonable WATSTORE value was changed to agree with data records maintained by local U.S. Geological Survey offices.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OPEN-FILE REPORT 85-154
PLATE 1


WASHINGTON
BALTIMORE
FALL LINE
MARYLAND
PHILADELPHIA
TRENTON
RICHMOND
FALL LINE
SOUTH CAROLINA
RALEIGH
FALL LINE
VIRGINIA
POTOMAC RIVER
CHESAPEAKE BAY
NEW JERSEY
MD24 3
DELAWARE
DELAWARE BAY
38.8908
75.5308
NORTH CAROLINA
JAMES RIVER
NORFOLK
ATLANTIC OCEAN
ALBEMARLE SOUND
PAMLICO SOUND
CAPE HATTERAS
ATLANTIC OCEAN
EXPLANATION
MD24 3 ⊗ Example sample site location
25 0 25 50 75 MILES
25 0 25 50 75 100 KILOMETERS
35°
36°
37°
38°
39°
40°
80°
79°
78°
77°
76°
75°
74°
73°
72°
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36°
37°
38°

GRIDDED TEMPLATE FOR LOCATING SAMPLE SITES FOR CHEMICAL ANALYSES OF SELECTED GROUND-WATER SAMPLES FROM THE ATLANTIC COASTAL PLAIN FROM NORTH CAROLINA THROUGH NEW JERSEY